Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

Our New Introduction, Marigold, "YELLOW SUPREM E" (About 1/2 natural size) See Inside Front Cover

LIVINGSTON'S 1934 SEED ANNUAL

THE LIVINGSTON SEED COMPANY

Famous for Best Seeds Since 1850

32-36 EAST SPRING STREET · · · · · · · COLUMBUS, OHIO

THE LIVINGSTON SEED CO.

32 East Spring St. . . . *Seedsmen Since 1850* . . . Columbus, Ohio

NOTE; Planting dates given are for the vicinity of Columbus, Ohio, or the 40th latitude. Allow about 3 days difference for every 50 miles of latitude; South, earlier; North, later.

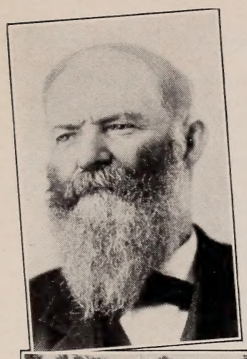
VEGETABLE PLANTING TABLE

Name of Vegetable	Time to Plant in Window Box or Bed	Time to Plant in Open	Seeds or Plants for 100 foot Row	Seeds or Plants for Acre	Days until ready to use	Dist. apart in row in inches	Depth plt'g in inches	Rows Apart Hand Cultivation	Rows Apart Horse Cultivation
Asparagus Seed,		Apr. 1 to 15	2 oz.	4 to 5 lbs.	3 to 4 yrs.		1 to 2	18 to 24	30 to 36
Asparagus Plants,		April	75 plants	7,300	2 yrs. from 2-yr. pl'ts	18	8	24 to 36	36 to 48
Bush Lima Beans,	Apr. 25 in Pots	May 15 to June 20	1 pound	1½ bushels	65 to 100	6-10	1	30	30 to 36
Pole Lima Beans,	Apr. 25 in Pots	May 15 to June 30	½ pound	½ to ¾ bu.	75 to 120	12-18	1	30 to 36	36 to 48
Bush Beans,		May 10 to Aug. 5	1 pound	1½ bushels	45 to 75	3-6	1	24 to 30	30 to 36
Pole or Corn Beans,		May 10 to July 20	½ pound	20 to 40 lbs.	65 to 110	18-24	1	30 to 36	30 to 36
Beets, Table,	March	April to August	2 oz.	4 to 6 pounds	60 to 70	2-3	1 to 2	12 to 15	30 to 36
Beets, Stock,		April to July	1 oz.	3 to 4 pounds	70 to 80	4-6	1 to 2	15 to 18	30 to 36
Brussels Sprouts,	March	April	100 plants	12,500 plants	120 to 130	12-18	½	30	30 to 36
Early Cabbage Seed,	Feb.-March		¼ oz.	¾ to 1 pound	110 to 130		½	30	
Late Cabbage Seed,	Apr. 20-May 20	May 5 to June 1	¼ oz.	¾ to 1 pound	130 to 140		½		
Cabbage Plants,		April 1 to July 20	75 to 80 plt's	8 to 10,000 plts	90 to 100	14-18		30 to 36	30 to 36
Broccoli,	March to May	April to July	75 plants	8 to 10,000 plts	85 to 140	18-30	½	30 to 48	30 to 48
Cauliflower,	Mar. to June 30	April to July	75 plants	8 to 10,000 plts	85 to 140	18-24	½	30 to 36	30 to 36
Carrots,	March	April to July	1 oz.	3 to 5 pounds	65 to 120	2-3	½	12 to 15	30 to 36
Celery Seed,	March	April 1 to May 10	¼ oz.	10 to 12 ozs.	125 to 150		1-8	12 to 30	36 to 42
Celery Plants,		May to August	150 to 200	20 to 40,000	60 to 100	6-8		12 to 30	36 to 42
Celeriac,	April to May	May to June	150 to 200	20 to 40,000	120 to 150	6-8	1-8	18	30 to 36
Corn, Sweet,		May 10 to July 10	¼ lb.	10 to 16 lbs.	65 to 110	14-36	1 to 2	30 to 36	36 to 42
Corn Salad,		May 1 to Sept. 1	1 oz.	6 to 10 pounds	60 to 85	1-2	½	12 to 15	
Cress,		April	1 oz.	2 to 3 pounds	35 to 50	4-8	½	15	
Cucumbers,	April in Pots	May 15 to July	½ oz.	2 to 3 pounds	60 to 85	48-72	1 to 2	48	48 to 72
Cucumbers, Pickle,		June, July	½ oz.	2 to 3 pounds	55 to 80	48-72	1 to 2	48	48 to 72
Dandelion,		April to August	1 oz.	3 to 4 pounds	60 to 80	4-8	½	15 to 18	30
Egg Plant,	March	Plants May 20	50 plants	7,000 plants	120 to 160	18-24	½	30	36 to 42
Endive	March	April to Aug.	1 oz. seed	3 lbs. 40,000 pl.	75 to 100	8-10	½	12 to 15	
Garlic Sets,		April	3 pounds	4 to 5 bushels	180 to 210	4-6	1	18 to 24	
Horse Radish,		April	75-100 sets	12 to 15,000	180 to 210	12-18		30 to 36	30 to 36
Herbs,		April, May	½ to 1 oz.			6-18	½	15 to 18	30 to 36
Kale,		Apr. Aug. Sept.	1 oz.	1 to 2 pounds	60 to 70	2-4	½	15 to 18	30 to 36
Kohlrabi,	March	April to July	½ oz.	4 lbs. 25,000 pl.	66 to 85	6-8	½	15 to 18	30 to 36
Lettuce Seed, Loose,	March to April	April to Sept.	½ oz.	3 pounds	65 to 100		¼	12 to 15	
Lettuce Seed, Head,	March to April	April to Aug.	½ oz.	2 to 3 pounds	70 to 110		¼	12 to 15	
Lettuce Plants,		April to Sept.	150 to 200	45 to 50,000	42 to 80	6-8		12 to 15	30 to 36
Leeks,		April	1 oz.	4 pounds	120 to 140	6-10	½	15 to 18	30 to 36
Melon, Musk,		May 15 to June 15	½ oz.	1 to 3 pounds	95 to 120	48-72	1 to 1½	48 to 72	48 to 72
Melon, Potted Pl'ts,	April	May 20 to June 20	25 plants	1,500 to 2,000	65 to 85	48-72		48 to 72	48 to 72
Melon, Water,		May 20 to June 1	1 oz.	4 to 6 pounds	100 to 140	72-90	1 to 2	72 to 90	72 to 90
Mustard,		April to August	1 oz.	2 to 5 pounds	60 to 72	1-3	½	12 to 15	
Onion Seed, Sets,		April to May	6 oz.	50 to 60 lbs.	120 to 130		½ to 1	12 to 15	
Onion Seed, Large	Mar. & Transp.	Early as Possible	1 oz.	4 pounds	90 to 130	2-3	½ to 1	12 to 15	
Onion Sets,		March to July	1 to 2 lbs.	6 to 12 bushels	40 to 60	2-3	1	12 to 15	
Winter Onions,		Aug., Sept.	1 to 2 lbs.	8 to 15 bushels	60 to 80	3	2 to 4	18 to 24	30 to 36
Okra,		May	1 oz.	4 to 6 pounds	120 to 150	18-24	2	24	30 to 36
Parsley,		April, May	½ oz.	2 to 3 pounds	70 to 100	3-6	¼	12 to 15	30
Parsnips,		March, April	½ oz.	4 to 5 pounds	130 to 160	5-12	½	12 to 15	30 to 36
Peas, Early,		March, April	2 pounds	1 to 2 bushels	60 to 80	2	2 to 3	15 to 24	30 to 36
Peas, Late,		April, May	2 pounds	1 to 2 bushels	75 to 90	2	2 to 3	15 to 36	30 to 36
Peppers,	Mar. 25 to May	Plants May 20	50 plants	7,000 plants	135 to 160	18-24	½	24 to 36	30 to 36
Potatoes, Irish,		April to July	10 pounds	10 to 12 bus.	75 to 130	12-14	4	24 to 30	30 to 36
Potatoes, Sweet,	Apr.10 to May 1	May 15 to June	75-100 plts.	18,000 plants	120 to 140	12		30	30 to 36
Pumpkins,		May 20	1 oz., 15 h'ls	4 pounds	140 to 160	72-86	1	96	96
Radish,	March	April to Sept.	1 oz.	6 to 10 pounds	25 to 50	2-3	1	12 to 15	
Radish, for Winter,		Aug., Sept.	1 oz.	5 to 6 pounds	40 to 60	2-6	1	12 to 15	30
Rutabaga,		July, Aug.	1 oz.	1 to 3 pounds	75 to 80	3-6	1	12 to 15	30 to 36
Rhubarb Roots,		April and Oct.	30 plants	3,650 plants	2 years	36-40	cr'ns 3	36 to 48	48
Salsify,		April	½ oz.	4 to 6 pounds	125 to 160	3-5	1	12 to 15	30 to 36
Spinach,		Apr.,Aug. & Sept.	2 oz.	10 to 20 lbs.	60 to 75	2-3	1	12 to 15	
Swiss Chard,	March	April to July	1 oz.	4 to 5 pounds	60 to 75	18-24	1 to 2	24 to 30	30 to 36
Squash, Bush,		May 20	1 oz., 40 h'ls	4 to 5 pounds	60 to 120	48	1 to 2	48 to 72	48 to 72
Squash, Vining,		May 20	1 oz., 40 h'ls	3 to 4 pounds	75 to 140	96	1 to 2	72 to 96	96
Tomato Seeds,	Mar. to April	May, June	1 pkt.	¼ pound	90 to 140		½		
Tomato Plants,		May 10 to July 10	30 to 40	Staked 3,650 to 5000 Flat 2,800	60 to 90	24-48		24 to 48	36 to 48
Turnips,		Apr.,Aug.,Sept.	1 oz.	1 to 2 pounds	50 to 75	3-4	½	12 to 15	
Strawberry Plants,		Apr.MayAug.Sept	75 plants	5 to 8,000	8 to 14 mo.	14-18		30 to 48	36 to 48

COMPLETE CULTURAL DIRECTIONS ARE ALSO GIVEN UNDER EACH VEGETABLE HEADING.

1850 The Livingston Seed Co. 1934

Three Generations of Seedsmen

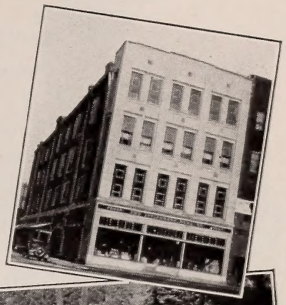


Alexander W. Livingston

Founder of The Livingston Seed Co. Pioneer of the Modern Tomato. Entered the seed business in 1850 as a grower of seed for Market Gardeners. Introduced the first Modern Tomato in 1870. Under his policy of "Honest Dealings" the business prospered and today this same good old pioneer policy still prevails.

Livingston Building

Centrally located home of our retail and mail order departments. The Parcel Post Station is only 100 feet from our front door. The Express Office is less than 50 feet from our rear door. These are advantages in rendering you quick, courteous service.



Scenes at Our "True Blue" Farms

Vegetable Trials Scene

Showing portion of our trials, season 1933, where vegetable seeds are tested under actual growing conditions.

"Living Stones" Rock-Garden

Built by us in 1931 and so named by one of our customers in 1932.

Our Exhibit at Ohio State Fair

Photo taken this last fall, 1933.

Flower Trials Scene

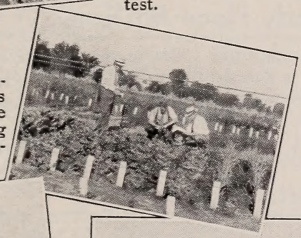
Season, 1933, showing how we test flowers for purity and adaptability. Only those of real merit are offered in our catalog.

Selecting Seed Stocks

Complete records are made on everything we test.

Scenes from Some Big Market Gardeners Using Livingston's Seeds

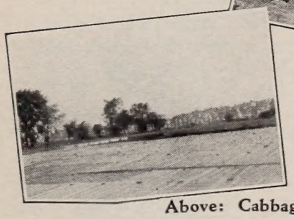
Al Butcher, Marion Co., Indiana. This photo shows a large crop of Turnips, grown from Livingston's Seed, being placed in storage.

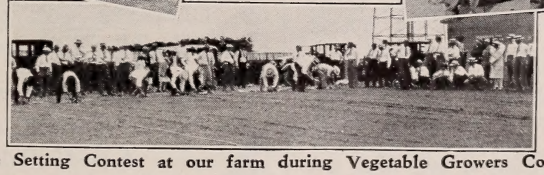


below
Plant Growing Scene
As shown here, thousands of feet of glass are used at our "True Blue" farms in growing plants for seed production.

Hellwig Bros., St. Louis Co., Missouri. Big tomato growers. Grew 340,000 tomatoes on stakes in 1933. Large users of Livingston's tomato seed.

Geo. Shirk & Son, Franklin Co., Ohio. Eggplant is a specialty with them. Uses Livingston's seed.





Above: Cabbage Setting Contest at our farm during Vegetable Growers Convention

Important Ordering Suggestions

FREE TRANSPORTATION ON ALL SEED ANYWHERE IN THE UNITED STATES PROPER

All seeds quoted in this Catalog are now shipped by Parcel Post, Express or Freight, whichever rate is lower, all transportation and packing charges paid by us. The only items on which you must figure or pay transportation are those marked "F.O.B. Columbus" or "Not prepaid," and they are few. C.O.D. and money order return fees are not considered as transportation charges and, therefore, must be paid for by the customer. Avoid them by sending remittance with order. Bulk seeds, such as Peas, Beans and Corn, in quantities, are shipped to your nearest express or freight office, transportation paid. If you wish them shipped by Parcel Post, please send necessary postage.

SHIPPING ORDERS. When goods are to be shipped by Freight or Express, give plain shipping directions; otherwise we use our best judgment in routing. Goods on which we pay transportation are shipped at our option.

SEND MONEY. Remittance should always accompany the order. Remittances may be made at **our risk** by any of the following methods (1st and best) **Post Office Order;** (2d) **Bank Draft;** (3d) **Express Company Money Order;** (4th) **Cash by Express in amounts not less than $5;** (5th) **Registered Letters.** We also accept stamps in payment but the Postal Department asks us to discourage their use.

AN ORDER BLANK and ENVELOPE are in the rear of this Catalog for your convenience. Additional Order Blanks and Envelopes will be sent on request. Print or write your Name, Post-Office, County, and State plainly. If you have moved, give us your old address and we will change our mailing-list.

OUR GUARANTEE. We guarantee the safe arrival of your order. We guarantee to refund your money or give value in other seed if, after properly testing, our seeds fail to grow. Our germination test is printed on all packages (not packets) we send out.

NON-WARRANTY. Contingencies continually arising prevent the very best seeds always giving satisfaction. For these reasons, it is impossible to guarantee seeds under all circumstances; therefore We, The Livingston Seed Company, give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs, or plants we sell, and will not be in any way responsible for the crop.

PARCEL POST RATES. Where you must remit postage ask your postman what zone you are in from Columbus, and using the figures under that zone, multiply the number of pounds by the first figure and add the second and remit that amount in cents. Fractions of a cent count as a full cent.

1st & 2nd Zone	3rd Zone	4th Zone	5th Zone	6th Zone	7th Zone	8th Zone
1.1 & 8	2 & 7	3½ & 6½	5.3 & 5.7	7 & 5	9 & 5	11 & 4

Livingston's Lawn Grass Seeds

TREAT YOUR LAWN WITH THE BEST THIS YEAR

YOU'LL BOTH LIKE OUR MIXTURES MADE FROM TRUE TURF GRASSES

Your first consideration in a lawn seed mixture should be the "kind of Grass Seeds used." There are hardy, perennial grasses and annual nurse grasses. It is the hardy grasses that ultimately make a good lawn and the large percentage of any good mixture should consist of these perennial grasses, such as Kentucky Blue Grass, Red Top and Chewing's Fescue. The annual grasses are necessary as a nurse for the better grasses but if used to excess do not benefit your lawn, although the mixture sells for less money. Therefor, do not be deceived by the price per pound. If you must choose between quality and quantity, and most of us do these days, choose quality in lawn seed and get some real satisfaction. Let us suggest that you use our famous "Capitol Brand" Mixture this year. You will be pleased with the results.

Thoroughly practical leaflet, "How to Make a Better Lawn," sent on request

Livingston's "Capitol Brand" Lawn Seed

Famous for Making Good Lawns Better

It contains only the highest grade of grasses suitable for the purpose of making a beautiful, durable, lasting lawn. Germinates quickly and roots deeply. This enables it to withstand the intense heat of summer and the hard cold of winter. Contains a large percentage of those grasses which are lasting and hardy. When a lawn is once established with "Capitol Brand" it lasts for years. From six to eight weeks' time is all that is required to form a close, thick turf of rich, velvety green. Owing to the high-grade seeds used in this mixture, one pound is sufficient to sow 300 square feet of new lawn.

Pound 45 cts.—3 Pounds $1.25—5 Pounds $2.
10 lbs. $3.50—25 lbs. or more at 30 cts. per lb.

Transportation paid by us

Quick Grower Lawn Seed. A special mixture that gives quicker results than Capitol Brand, yet it makes a fair lawn. Where this mixture is used Capitol Brand Lawn Seed should be used the next year for renovating. Lb. 35c.; 3 lbs. $1.; 5 lbs. $1.50; 10 lbs. $2.75; 25 lbs. or more at 20c per lb. All prepaid.

Astoria Bent. True creeping bent of high quality. Used on golf putting greens and in high grade lawn mixtures. Lb. $1; 3 lbs. $2.90. All prepaid.

Kentucky Blue Grass. Used more for lawns than any other grass. It is slow to start, however, and should be mixed with other quick-growing dwarf grasses. Does best on limestone soils, well enriched. Dark green in color; forms a close, thick turf and is very hardy. Heavy, fine, clean seed. Lb. 45 cts.; 3 lbs. $1.25; 5 lbs. $1.90; 10 lbs. $3.25; 25 lbs. or more at 25 cts. per pound. All prepaid.

Red Top. One of the Bent grasses. Used on golf courses and in all good lawn mixtures. Does well in wet places and under unfavorable conditions. Is drought-resistant. Lb. 35 cts.; 3 lbs. 90 cts.; 5 lbs. $1.25; 10 lbs. $2.; 25 lbs. or more at 15 cts. per pound. All prepaid.

Domestic Rye Grass. Makes a quick growth but does not make a permanent lawn. Should be used in mixture with hardy grasses as a nurse. Valuable where quick results are desired. Lb. 25 cts.; 3 lbs. 65 cts.; 5 lbs. 90 cts.; 10 lbs. $1.50; 25 lbs. or more at 12 cts. per pound. All prepaid.

Timothy. Generally used in mixtures as a nurse for the slower-growing grasses. Lb. 25 cts.; 3 lbs. 65 cts.; 5 lbs. 90 cts.; 10 lbs. $1.50; 25 lbs. or more at 12 cts. per pound. All prepaid.

Rough-Stalk Meadow. One of the best for shady places. Used in shady place mixtures. Lb. 50 cts.; 3 lbs. $1.25; 5 lbs. $1.90; 10 lbs. $3.25; 25 lbs. or more at 25 cts. per pound. All prepaid.

Chewing's Fescue. A valuable grass, used in most good mixtures. Especially good in shady places. Lb. 60 cts.; 3 lbs. $1.50; 5 lbs. $2; 10 lbs. $3.50; 25 lbs. or more at 30 cts. per pound. All prepaid.

Shady Place Mixture. On nearly all lawns there are shaded, bare, and unsightly spots on which one has difficulty in getting a stand of grass. For such places this mixture is adapted. It is composed of grasses which naturally grow in shaded places. Lb. 45 cts.; 3 lbs. $1.25; 5 lbs. $2; 10 lbs. $3.50; 25 lbs. or more at 30 cts. per pound. All prepaid.

White Clover. Excellent for lawns when mixed with other grasses. Does not stand dry, hot weather well, but tends to keep crab grass in check. Lb. 90 cts.; 3 lbs. $2.40; 5 lbs. $3.65; 10 lbs. $6.75, prepaid.

SACCO SPREADER

A GARDEN TOOL THAT YOU NEED

Spreads Lawn Seed, Fertilizers, Sand, Salt, etc. easily and quickly. Equipped with instantaneous feed control (No. 1) and adjustable spreader (No. 2). Can be operated easily by any child. Will pay for itself in saving seed and fertilizer thru proper application.

As a Suggestion
Why not buy one on a co-operative plan with several of your neighbors and all get the benefit of its use?

THREE SIZES—POSTPAID IN OHIO

Model No. 3318, 18 inch. Shipping weight 12½ lbs. . $2.75
Model No. 3320, 20 inch. Shipping weight 50 lbs. . . . $7.50
Model No. 3330, 30 inch. Shipping weight 50 lbs. . . $14.50

SPECIAL QUOTATIONS.—We are always pleased to quote special prices to parks, institutions, golf clubs, and others who require Lawn Grass Seed in large quantities. Prices subject to market change

Livingston's Select Gladiolus

New Low Prices . . . New "Thrip-Treated" Varieties

All our bulbs are high grade, first size, true-to-name, and thrip treated. They are systematically treated before planting and fumigated in storage. Quality comes first, then price. And, at these prices these "Glads" deserve a place in your garden.

Our Outstanding VARIETIES

BETTY NUTHALL. Lovely coral orange with pencil lines of soft red. Double row of huge florets. Superb qualities. Doz. $1; 100 for $8.

CHARLES FAIRBANKS. Brilliant flame scarlet, slightly ruffled. Of great size and vigor. Imposing foliage. Doz. 60 cts.; 100 for $5.

HENRY FORD. A royal rhodamine purple, shading deeper towards center. Huge blooms, opening all around spike. Doz. 50 cts.; 100 for $3.30.

MR. W. H. PHIPPS. Clear deep pink, salmon toned reflex. Lips faintly speckled ruby. Massive spike. Doz. 50 cts.; 100 for $3.30.

MRS. F. C. HORNBERGER. Dazzling snow white. Exquisite large flowers symmetrically placed on a regal spike. Doz. 50 cts.; 100 for $3.30.

ORANGE QUEEN. Yellow suffused with coppery orange, producing attractive new tint. Spike closely set with large blooms. Doz. 30 cts.; 100 for $2.40.

RED BARNEY. Brilliant orange-scarlet. Noted for its ability to stand without fading or wilting. Vigorous grower. Doz. 60 cts.; 100 for $5.

SOUVENIR. A clear, deep yellow. Free flowering with tall wiry stems carrying 12 to 14 buds. Large blooms. Doz. 30 cts.; 100 for $2.40.

New and Rare NOVELTIES

ALBATROS. A very large, pure white with six to eight blooms open at a time. Tall and vigorous. Each 20 cts.; Doz. $1.70; 100 for $14.

AIDA. Striking dark blue shading to royal purple. Red blotches on lower petalage. Large flowers. Each, 10 cts.; Doz. $1; 100 for $8.

AVE MARIA. Large light blue, blotched purple. Great substance. A new favorite in the blues. Each 15 cts.; Doz. $1.60; 100 for $13.

CHARLES DICKENS. Magnificent royal purple with velvety purple blotches. Five foot spikes. Each 10 cts.; Doz. 75 cts.; 100 for $5.

COMMANDER KOEHL. A brilliant, clear blood red, self color. Six to seven blooms open at a time. A commanding variety. Each 20 cts.; Doz. $1.70; 100 for $14.

DR. NELSON SHOOK. Radiant tyrian rose. 8 to 10 ruffled flowers open. Of giant size. Each 10 cts.; Doz 85 cts.; 100 for $6.50.

MARNIA. Grenadine orange with old rose feathering. Blooms not large but make wonderful cut-flowers. Each 10 cts.; Doz. 75 cts.; 100 for $4.50.

MOTHER MACHREE. A subtlety of colorings; rose, gray, blue and apricot. Most wonderful of the "smoky" Glads. Long spikes, good sized flowers. Each 15 cts.; Doz. $1.45; 100 for $11.50.

BLENDED COLOR COLLECTIONS

Fascinating, Sensational Color Blendings Beautiful in Your Garden or Home

Made from the outstanding named varieties above, on the left. Intended for a two or more row planting, at 10 day intervals. Full planting instructions with each collection.

NOTE THESE NEW LOW COLLECTION PRICES

3 bulbs each (plot 5 ft. by 3 ft.)	24 bulbs	$0.85
6 bulbs each (plot 10 ft. by 3 ft.)	48 bulbs	1.60
12 bulbs each (plot 10 ft. by 6 ft.)	96 bulbs	3.00
25 bulbs each (plot 20 ft. by 6 ft.)	200 bulbs	5.75

Livingston's "Pandora" Mixture of Gladiolus

Made up and offered, not with the idea of profit but with the intention of giving so much pleasure to the average amateur that he will talk about it to his friends and neighbors. We offer this mixture under the name of "Pandora" because it contains so many surprises in color, form and beauty. Many new unnamed sorts can be found. Unquestionably, new varieties could be developed, and we place no restriction on their introduction. You'll get a vast amount of enjoyment, expectation and rapture at small cost from this grand mixture and we'll profit through your good will and recommendations.

Doz. 40 cts.; 3 doz. $1; 100 for $2.

NEW NOVELTY COLLECTIONS

Flashing Beauties for Your Dream Garden

Here's your opportunity to get a start in some rare new "Glads" and at a reasonable price. Contains the 8 new and rare novelties listed above.

1 bulb each of above	$0.75
2 bulbs each of above	1.25
3 bulbs each of above	1.75
6 bulbs each of above	3.00

Suffused VARIETIES

CARUSO. Large orange-red with striking, bold, dark colored blotches. Doz. 50 cts.; 100 for $4.

CHOCOLATE QUEEN. Brownish red with deeper blotch on lower petals. Doz. 65 cts.; 100 for $5.

MARMORA. A gigantic silver gray with a beautiful rose throat. Very unusual. Doz. 85 cts.; 100 for $7.

MRS. FRANK PENDLETON. Bright rose with crimson scarlet blotches. Doz. 30 cts.; 100 for $2.40.

NANCY HAWKS. Rich peach red shading to orange pink. Wide open flowers. Doz. 40 cts.; 100 for $3.

ROMANCE. Combination of orange-salmon, rose-red and yellow with petals bordered wine-blue. Doz. 35 cts.; 100 for $2.50.

SUFFUSED COLOR COLLECTIONS

This collection of six choice varieties has been selected to give a stunning display of blends, tints, blotches and suffused colors. A-1 bulbs of the most popular varieties.

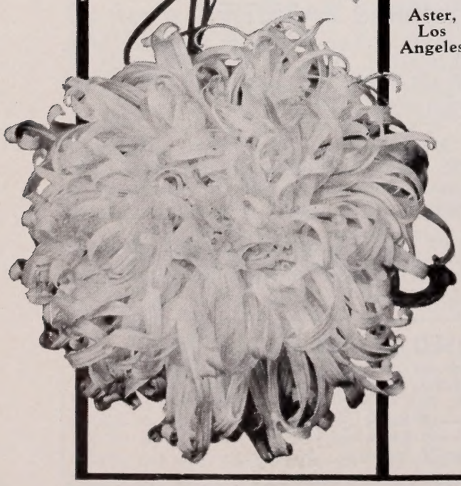
3 bulbs each—18 bulbs	$0.50
6 bulbs each—36 bulbs	.90
12 bulbs each—72 bulbs	1.75

All-American Flower Selections, 1934

Calendula, Sunshine

Petunia, Pink Gem

Hunnemannia, Sunlight



Aster, Los Angeles

The All-American Selections of flowers and vegetables is a yearly competitive offering of new varieties from which competent judges choose the most outstanding. Its purpose is to present the best things of the year to the most gardeners and to promote interest in the new, really worth while varieties. We are offering the cream of the 1933 and 1934 selections.

The New Sunshine Calendula

Gold Medal Winner, All-American Selections 1934

3387 A lovely, friendly new-comer. Distinctly different in flower formation. A clear, buttercup yellow in color with loosely arranged petals, incurved at center and reflexed at edges, somewhat like a chrysanthemum. Flowers are four inches across, mounted on strong, wiry stems a foot in length, making them excellent for cutting.
Pkt. 15 cts.; ⅛oz. 25 cts.; ¼oz. 45 cts.; oz. $1.25.

Pink Gem, A Charming Petunia

Gold Medal Winner, All-American Selections 1934

5069 The first of a new race of a miniature type. Forms a neat, compact plant only six inches high, quite covered with two-inch flowers in shades of pink. Makes a decided cheerful appearance in the border or rock garden. Ideal for window boxes and pots.
Pkt. 15 cts.; 1/16oz. 35 cts.; ⅛oz. 65 cts.; ¼oz. $1.25.

Sunlight Hunnemannia (Tulip Poppy)

Award of Merit, All-American Selections 1934

3687 A new hardy California Poppy of a clear canary yellow. Bred to produce semi-double blooms but only a few come true. However, it is really pretty, making a lasting cut flower. Easily grown, blooms over a long season.
Pkt. 10 cts.; ⅛oz. 25 cts.; ¼oz. 40 cts.; oz. $1.

Super Giant Los Angeles Aster

Award of Merit, All-American Selections 1934

3125 The first of a new race of giant Asters; having long, strong stems, it promises to supersede all others for cut-flower use. Similar to Giants of California, but earlier, deeper, fuller centered with unusually curled and interlaced petals, giving a light feathery effect. Color is a shell pink.
Pkt. 25 cts.; ⅛oz. 60 cts.; ¼oz. $1; oz. $3.

New Hartwegi Giant Lupines

Award of Merit, All-American Selections 1933

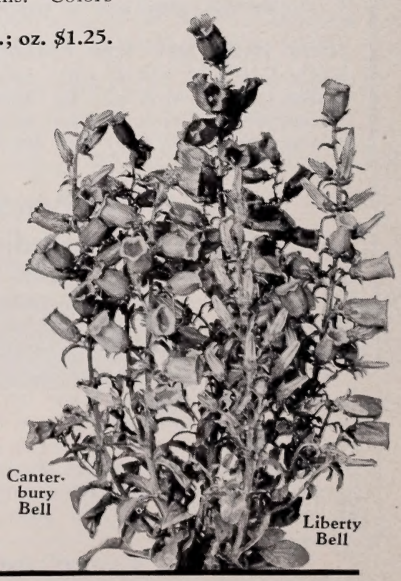
3918 **MIXED.** A marked improvement over the older type. Grows 3 to 4 feet tall; branches from the base; has 4 to 6 spikes to a plant with larger, more profuse blooms. Colors are blue, rose and pink.
Pkt. 15c.; ⅛oz. 25c.; ¼oz. 40c.; oz. $1.25.

Liberty Bell
Canterbury Bell

(New Annual)

Award of Merit, 1934

3419. A new selection from last year's Gold Medal Winning Annual variety. Dark violet-blue; blooms in six months from seed. About two feet tall with five to six spikes of flowers. A decided improvement over the biennial form though blooms may not be quite as large and free. Under good cultivation it brings spring into the fall garden.
Pkt. 15 cts.; 1/16 oz. 35 cts.; ⅛ oz. 60 cts.; ¼ oz. $1.



Canterbury Bell

Liberty Bell

ALL-AMERICAN COLLECTION—One packet, each variety illustrated above—65c

Other Outstanding Flower Novelties

Livingston's New Full "Carnation-Flowered"

MARIGOLD "YELLOW SUPREME"

Our New and Exclusive Introduction

3934 A superlative creation. Large fluffy blooms with mild honey fragrance; dazzling lemon-yellow color. Similar to Guinea Gold, below, but nearly 3 inches across, blooming early and profusely until frost. Not yet entered in All-American Selections but surely commands a Gold Medal position. Fully described and illustrated in color on front cover. Garden Clubs should write for our Special Flower Show Prize Offers.

Seed Supply Limited, Offered in Packets only at 25 cts.

Guinea Gold Marigold

Gold Medal Winner, All-American Selections 1933

3935 A brilliant orange flower flushed with gold; semi-double and double, ruffled, with loose placed petals. Grows 2 to 2½ feet high with 30 to 40 flowers to a plant. The characteristic Marigold odor is much less noticeable in this variety. Creating a sensation among flower growers.

Pkt. 15 cts.; 1/16oz. 25 cts.; 1/8oz. 40 cts.; 1/4oz. 75 cts.

New Annual Canterbury Bells, Mixed

Gold Medal Winner, All-American Selections 1933

3418 An improvement over the biennial varieties in that they bloom within six months from sowing seed, thus bringing spring to the fall garden. Plant is 2 to 2½ feet tall, having 6 to 8 good spikes. Colors include dark and light blue, pink, rose and white.

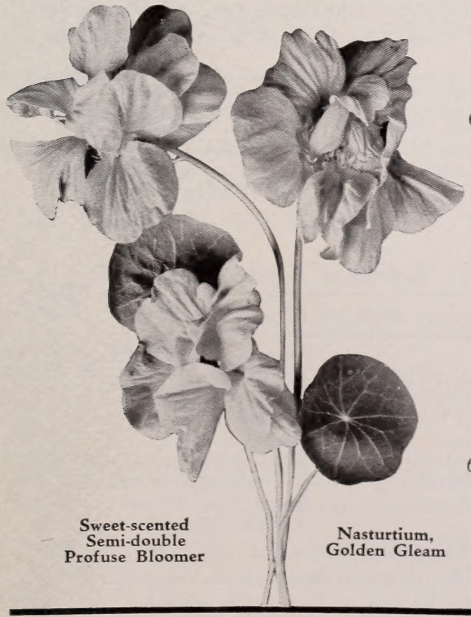
Pkt. 15 cts.; 1/16oz. 35 cts.; 1/8oz. 60 cts.; 1/4oz. $1.

Golden Gleam Nasturtium

Gold Medal Winner, All-American Selections 1933

4100 A new sensation in a sweet-scented semi-double Nasturtium. The plant is vigorous, bushy, 2 feet in height; the flowers are mounted on long, stiff stems and when fully in bloom cover the entire plant with a blaze of golden color. Illustrated and more fully described on inside front cover.

Pkt. 10 cts.; 1/2oz. 30 cts.; oz. 50 cts.; 1/4lb. $1.50.



Sweet-scented Semi-double Profuse Bloomer

Nasturtium, Golden Gleam

New African Daisy

Venedium

Award of Merit, All-American Selections, 1933

6325 **Fastuosum.** Large, deep orange, daisy-like flowers, four to five inches across, with reddish brown disc at base of petals and purple-black center. Fine greyish, silky foliage adds to its beauty. **Pkt. 10 cts.; 1/16oz. 35 cts.**

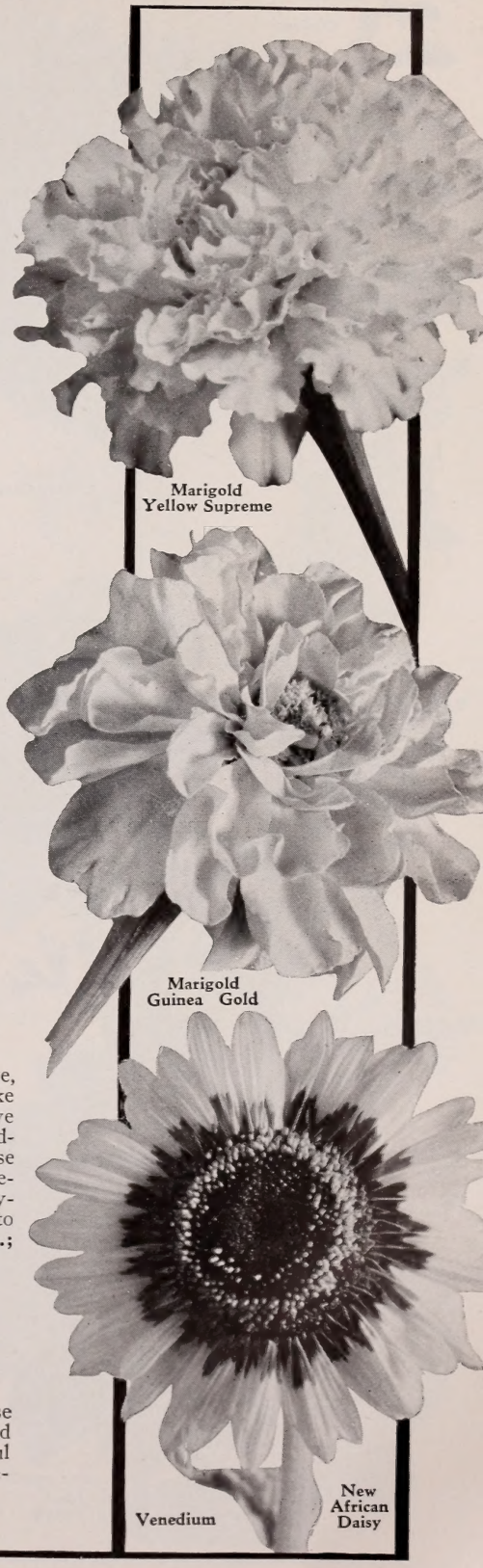
Verbena

Beauty of Oxford

Award of Merit, All-American Selections, 1933

6365 The brightest rose color ever produced from seed. Beautiful shades from clear rose-pink to rose-red.

Pkt. 10c.; 1/8oz. 35c.



Marigold Yellow Supreme

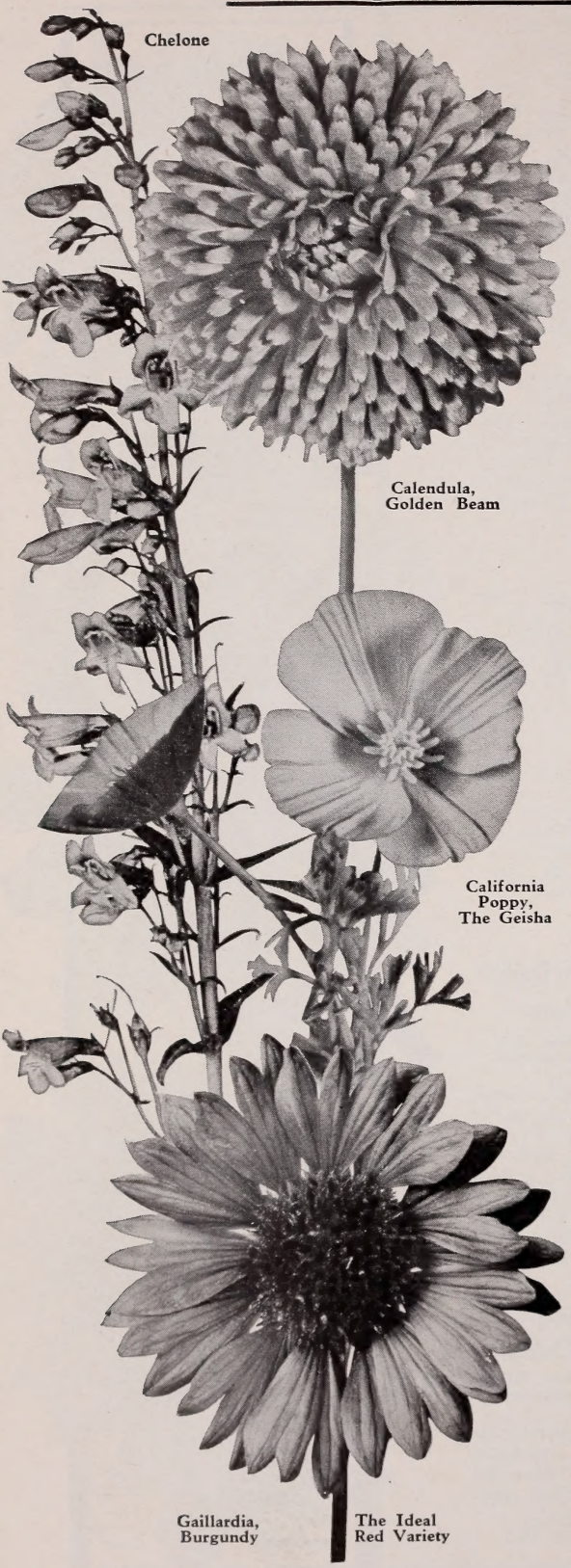
Marigold Guinea Gold

Venedium

New African Daisy

No. 1 NOVELTY COLLECTION—1 Packet, each variety illustrated above—50c.

Livingston's Outstanding Flower



Semple's Wilt-Resistant Aster

3168 **MIXED.** Semple's Giant Late Branching Asters are superior to most others and now we are offering a Wilt-Resistant strain in mixed colors; your double assurance of having beautiful Asters this year. Chrysanthemum-like, large blooms on fine stems.

Pkt. 15 cts.; 1/16oz. 25 cts.; 1/8oz. 45 cts.; 1/4oz. 85 cts.

New Golden Beam Calendula

3385 A new, interesting variety of this popular annual. The color is a delightful golden yellow; petals are all twisted and quilled. Mounted on strong, rigid stem making it fine for cutting.

Pkt. 10 cts.; 1/8oz. 35 cts.; 1/4oz. 65 cts.; oz. $1.75.

Chelone, Barbata Praecox

3510 Rich colored, early flowering hybrids. The blooms very much resemble a turtle's head. A hardy plant with good flower spikes which are useful for cutting.

Pkt. 10 cts.; 1/8oz. 25 cts.; 1/4oz. 40 cts.; oz. $1.25.

Cambridge Blue Delphinium

Chinese Variety—Blooms First Year if Sown Early.

3618 A rich clear light blue variety, far surpassing the well known Belladonna for brilliancy. Grows 2 to 3 feet tall and makes fine cut-flowers.

Pkt. 15 cts.; 1/16oz. 25 cts.; 1/8oz. 40 cts.; 1/4oz. 75 cts.

New California Poppy—The Geisha

3677 An admirable new two-colored variety, being a deep golden-yellow inside and orange-crimson outside. Petals are all wrinkled and of fine texture. An easily grown, profuse blooming annual.

Pkt. 10 cts.; 1/8oz. 20 cts.; 1/4oz. 35 cts.; oz. 75 cts.

The Burgundy Gaillardia

3696 The ideal red perennial variety. A coppery scarlet in color, perhaps more clearly described as shining wine-red. Flowers from June on and blooms first year if sown early.

Pkt. 15 cts.; 1/16oz. 30 cts.; 1/8oz. 50 cts.; 1/4oz. 85 cts.

Perennial Flower Seed Collection — 50c

Aquilegia, Mixed
Campanula, Prize Mixed
Coreopsis, lanceolata
Daisy, Shasta
Digitalis, monstrosa
Pinks, Hardy Mixed
Poppy, Large Oriental
Sweet William, Mixed

Purchased separately would cost 80c

Livingston's Rainbow Collection of Choice Annual Flowers — 75c

Asters, Mixed
Bachelor's Buttons, Mixed
Candytuft, Mixed
Cosmos, Mixed
Dianthus, Mixed
Marigold, Mixed
Mignonette, Mixed
Nasturtium, Mixed
Pansy, Mixed
Petunia, Mixed
Phlox, Mixed
Poppies, Mixed
Portulaca, Mixed
Scabiosa, Mixed
Sweet Alyssum
Antirrhinum, Mixed
Sweet Peas, Mixed
Zinnia, Mixed

18 packets of popular varieties.

We consider this our biggest money-saving offer.

Purchased separately this collection would cost $1.75

NO. 2 NOVELTY COLLECTION—One packet each variety illustrated above—35c

Specialties and New Novelties

New Giant Imperial Larkspurs

3881 A new base-branching type, much superior in length of spikes and size of blooms. Makes excellent cut-flower. A fine mixture of many colors. Separate colors are also offered on page 28.

Pkt. 15 cts.; ⅛oz. 25 cts.; ¼oz. 40 cts.; oz. $1.20.

The New Buttercup Stocks

6178 A new Early Giant Type of branching habit. Large flowers of a rich, deep butter-yellow color, on long stems. Produces a high percentage of double blooms. Unsurpassed for cutting.

Pkt. 15 cts.; 1/16oz. 30 cts.; ⅛oz. 50 cts.; ¼oz. 90 cts.

The Famous Swiss Giant Pansies

5020 **MIXED.** A mammoth strain of recent introduction, our seed of which comes direct from Switzerland. Long, stiff stems and well rounded, perfectly shaped flowers, up to 3½ inches across, with velvety petals. Wide range of colors and markings. Illustrated on page 32.

Pkt. 35 cts.; 1/16oz. 85 cts.; ⅛oz. $1.50; ¼oz. $2.75

Our New Alldouble Dwarf Giant Petunia

5063 **MIXED.** An unapproached improvement. A variety that comes 100% true double with less than 25% medium "Carnation flowered". Includes a good range of suffused colors. Illustrated in color and fully described on inside front cover.

Pkt. (about 100 seeds) 50 cts.; 1/64oz. $7.50

New Spencer Sweet Pea, Powerscourt

6205 The standard flowering Spencer Sweet Peas are noted for their beautiful flowers and long stems which makes them the most desirable for cutting. Powerscourt is one of the finest of pure lavenders.

Pkt. 10 cts.; oz. 30 cts.; ¼lb. 90 cts.

Zinnia, Elegans Pumila Dwarf Double

Cut and Come Again Variety

6430 **MIXED.** Extra double, medium sized flowers produced on dwarf plants about 18 inches high. A continuous succession of blooms in many colors classes it as a "Cut and Come Again" variety.

Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 30 cts.; oz. 75 cts.

Children's Flower Garden Mixture

6490 Makes a delightful Wild Garden where the children can pick bouquets to their hearts' content. Just sow seed outside after frost and watch them grow.

Pkt. 10 cts.; oz. 30 cts.; ¼lb. 75 cts.

Bright Array Collection of Mixed Annuals — 50c

Alyssum, Sweet — **Candytuft, Mixed** — **Pansy, Mixed**
Aster, Mixed — **Nasturtium, Mixed** — **Phlox, Mixed**
Sweet Peas, Mixed — **Zinnia, Mixed**

Purchased separately would cost 75 cts.

Livingston's Cut-Flower Collection of Choice Annuals — 40c

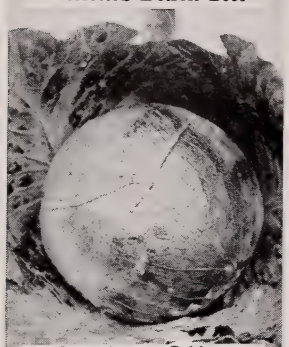
Asters, Crego Mixed
Antirrhinum, Mixed
Scabiosa, Mixed
Larkspur, Stock-flowered Mixed
Zinnia, Double Dahlia-flowered Mixed

Purchased separately would cost 50 cts.

No. 3 NOVELTY COLLECTION—One packet each variety illustrated above—40c.

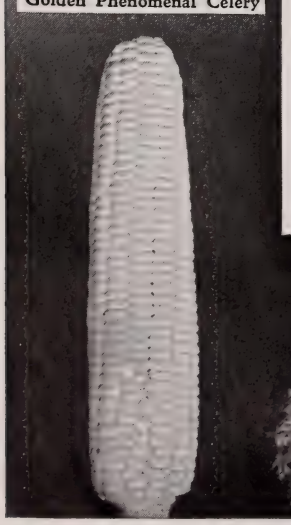
Livingston's Vegetable

Perfected Detroit Beet



Copenhagen Cabbage

Golden Phenomenal Celery



"Tendergreen"—A New Delicious Green Bean

Gold Medal Winner, All American Selections, 1933. If you want something really exceptional, have this fine-flavored, tender and meaty, dwarf green bean in your garden this year. It is vigorous, productive and of finest quality. Pods 6 to 7 inches long and entirely stringless. Just as good as its name indicates. Illustrated on page 42.

Large Pkt. 10 c.; ½ lb. 20 c.; lb. 35 c.; 5 lbs. 85 c.; 10 lbs. $1.60; 25 lbs. $3.75

Fordhook Bush Lima Bean

The best dwarf lima, outsells all others. Very productive of many clusters of large pods closely packed with plump, juicy green beans of fine flavor. We heartily recommend it to you. Illustrated on page 44.

Large Pkt. 10 c.; ½ lb. 25 c.; lb. 45 c.; 5 lbs. $1.35; 10 lbs. $2.60; 25 lbs. $6.25

"Perfected Detroit"—A New Beet

Award of Merit—All-American Selections, 1934

Very superior. Roots are globular, smooth and uniform. Color is dark red throughout with no white rings. Medium tops. Excellent for canning and general use. More fully described on page 45.

Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50; 5 lbs. $7.25.

Copenhagen Market Cabbage

A splendid early cabbage for the home garden. Heads are very round, of large size, weighing 5 to 8 pounds. Inside is pure white, compact, fine-grained and tender. Practically every plant matures a fine head.

Pkt. 5 cts.; ½ oz. 20 cts.; oz. 35 cts.; ¼ lb. 85 cts.; lb. $2.50.

"Special Strain Golden Acre"—Earliest Cabbage

Besides earliness this fine strain has other qualities that will appeal to the home gardener. It is a sure header, very uniform, round as a ball, of medium size and stands a long time without bursting Due to compact growth and short outer leaves, it can be planted close. Ideal for the small garden.

Pkt. 10 cts.; ½ oz. 30 cts.; oz. 50 cts.; ¼ lb. $1.60; lb. $5.

"Winter Perfection"—A New and Better Carrot

The best "coreless" variety yet introduced. The deep orange color extends right through to the center. Very uniform and shapely, being practically the same size from crown to bottom. Fine for fall crop. More fully described on page 48.

Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 50 cts.; lb. $1.75

Golden Phenomenal Celery

A newer variety noted for its tall edible stalks which are very thick, crisp and fine flavored. A compact grower with well developed, full hearts. Easy to blanch and recommended for home growing.

Pkt. 10 cts.; ¼ oz. 40 cts.; ½ oz. 60 cts.; oz. $1.00; ¼ lb. $3.

"Golden Cross Bantam"—The New Hybrid Corn

We consider this the best Bantam Corn developed to date. It is remarkably resistant to "Stewart's Wilt" and therefore assures home growers of better results. It is a heavy yielder, has very uniform stalks and ears and withstands adverse weather conditions. What more could you ask?

Large Pkt. 15 cts.; ½ lb. 30 cts.; lb. 55 cts.; 5 lbs. $2.50; 10 lbs. $4.50.

Livingston's Colorite Cucumber

An excellent slicing variety for home use. Straight and cylindrical with blunt blossom end. Rich, dark green color. Length averages 10 inches. Illustrated on page 52.

Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.

Left—Golden Cross Bantam Corn **Below—Winter Perfection Carrot**

No. 4 VEGETABLE COLLECTION—Any 4 Packets on this page 30c

Novelties and Specialties

"Full Heart" Batavian Endive

Award of Merit—All-American Selections, 1934

New strain of special merit. Large head with very full heart which blanches to a beautiful light yellow. Leaves are broad, twisted and slightly curled on edges and have a rich, dark green color. Try this All-American in your garden.

Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.

"New York No. 12"—A Sure Heading Lettuce

A new strain of New York head lettuce. The most sure to head of any variety and therefore the best for home gardeners. Large, crisp, round light green heads.

Pkt. 5 cts.; ½ oz. 15 cts.; oz. 20 cts.; ¼ lb. 65 cts.; lb. $2.

Arlington Fancy Curled Leaf Lettuce

A beautiful curly-leaf type. Large compact bunches of excellent quality. Unexcelled for garnishing. Has slight tendency to head which makes it very crisp. It should be in every home garden.

Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50

New Honey Rock Muskmelon

Gold medal winner All-American selections, 1933. About 6 inches through and slightly oblong. Flesh is salmon, very thick, sweet and fine flavored. An outstanding variety for home gardeners to try.

Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25; 5 lbs. $6.

Livingston's Tip-Top Muskmelon

Tip-Top tops them all for a large, early home garden Muskmelon. Introduced by us in 1892 and, today, still supreme in quality, appearance and productiveness. A large, slightly oblong variety with sweet, juicy, creamy yellow flesh.

Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25; 5 lbs $6.

Stone Mountain Watermelon

A very large, round melon of excellent quality. Flesh is highly colored, very solid, with fewer seeds than ordinary. Very productive. It can be grown farther north than most varieties and is, therefore, ideal for the home garden.

Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 30 cts.; lb. $1; 5 lbs. $4.75; 10 lbs. $9.

Livingston's Orange Watermelon

May be considered a novelty, its peculiarity being that when ripened the inner core separates from the rind and by careful cutting of the rind only the entire heart can be lifted out of its shell. Inner portion resembles an orange after peeling, hence the name. Flesh is a beautiful pink shade, very sweet and delicious.

Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 25 cts.; lb. 75 cts.

Riverside Sweet Spanish Onion

An improved strain of the popular Sweet Spanish Onion so highly prized for its mild and delicious flavor. Globe-shaped; attractive yellowish-brown skin; fine keeping qualities. Early spring sowing will produce onions one pound or more in weight. Home gardeners will find it easy to grow.

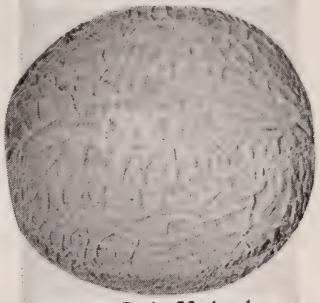
Pkt. 5 cts.; ½ oz. 15 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50

"Laxton's Progress"—A Large, Early, Dwarf Pea

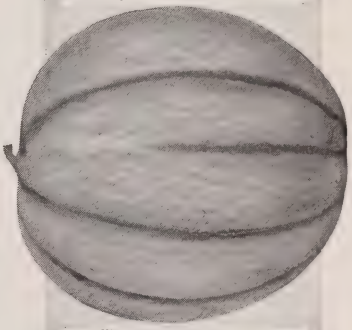
The largest and earliest of the large-podded dwarf peas and the best for home gardens on this account. Vines grow 18 inches high and produce deep green pods with eight large dark green peas of delicious, sweet flavor.

Large Pkt. 10 cts.; ½ lb. 20 cts.; lb. 35 cts.; 5 lbs. $1.10; 10 lbs. $2.10

New York Lettuce



Honey Rock Muskmelon

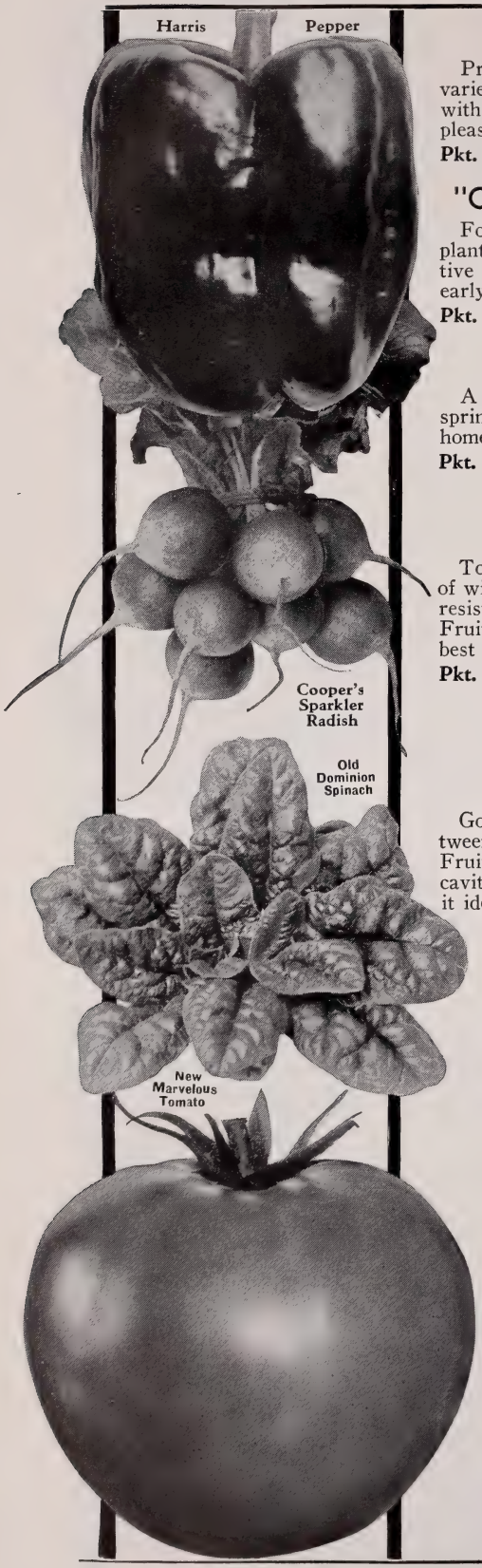


Tip-Top Muskmelon

Stone Mountain Watermelon

Laxton's Progress Peas—Riverside Spanish Onion—Right: Orange Watermelon

Choice Vegetable Specialties



Harris Early Giant Pepper

Produces more large peppers and produces them earlier than any other variety, making it valuable for the home garden. Vigorous plants covered with fruits 4 in. long by 3 in. through, having thick flesh and very sweet, pleasant flavor.

Pkt. 5 cts.; ¼ oz. 15 cts.; ½ oz. 25 cts.; oz. 40 cts.; ¼ lb. $1.15; lb. $3.50

"Cooper's Sparkler"—A White-Tipped Round Radish

For those who prefer a round scarlet radish with white tip that can be planted early, we highly recommend this one. It is one of the most attractive varieties and of finest quality. Medium size, nearly round and quite early. 25 days.

Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 25 cts.; lb. 80 cts.; 5 lbs. $3.50

Old Dominion Spinach

A Long-Standing Blight Resistant variety that can be planted in early spring and mature without being blighted, these features making it ideal for home garden use. Leaves are large, crumpled and dark green.

Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 15 cts.; lb. 50 cts.; 5 lbs. $1.75

New Marvelous Tomato

A Wilt-Resistant Pink Marglobe

To those who like a pink tomato but have had trouble growing it because of wilt, we are pleased to present the New Marvelous, the only pink wilt-resistant variety of merit. It is a vigorous grower and heavy cropper. Fruits are large, glossy rose in color, surprisingly free from cracks and of best quality.

Pkt. 10 cts.; ¼ oz. 20 cts.; ½ oz. 35 cts.; oz. 55 cts.; ¼ lb. $1.70; lb. $5.50.

No. 6 VEGETABLE COLLECTION

One Packet Each Variety Listed Above 20c.

The New Pritchard Tomato

A Self-Topping Wilt-Resistant Red Variety

Gold Medal Winner in All American Selections, 1933. It is a cross between Marglobe and Cooper's Special, inheriting the good qualities of both. Fruits are of medium size, solid, have deep red interior with small seed cavities. Plants are strong and can be placed quite close together, making it ideal for home gardens. Illustrated on page 75.

Pkt. 5c; ¼ oz. 20c; ½ oz. 35c; oz. 55c; ¼ lb. $1.70; lb. $5.50.

Livingston's Giant Oxheart Tomato

The big tomato everybody is talking about

Truly the giant of them all. Its attractive shape, large size and excellent table qualities have made it the most popular with back yard gardeners. Smooth, thick, tender and almost seedless. More fully described and illustrated on page 74.

Pkt. 15 cts.; ¼ oz. 30 cts.; ½ oz. 55 cts.; oz. 85 cts.; ¼ lb. $2.50.

Disease-Resistant Vegetables

That May Overcome Your Difficulties

If you have had trouble producing crops of those vegetables listed below, your failure may be due to diseased soil, usually caused by successive crops being grown year after year in the same location.

Through careful breeding, crossing and selecting, new varieties which resist these diseases have been developed. If you feel that your last crop failed because of diseased soil, we recommend that you try the following:

CABBAGE: Marion Market, Early; Globe, Main-crop; Hollander, Yellows-Resistant, Late.

CORN: Golden Cross Bantam, Resistant to Stewart's Wilt.

SPINACH: Old Dominion; Virginia Blight Resistant.

TOMATOES: Marglobe, red; Marvelous, pink; Norton, late red.

NO. 7 VEGETABLE COLLECTION—5 packets of any Disease-Resistant varieties above—20c.

Delicious "Trick" Vegetables

Every Home Gardener Should Try Them

BRUSSELS SPROUTS, Pride of Denmark. A species of cabbage which produces miniature heads from the side of the stalk. Cooked and served like Cauliflower, they are a great delicacy. Pkt. 5 cts.; ½oz. 15 cts.; oz. 20 cts.; ¼lb. 65 cts.; lb. $2.

BROCCOLI, Italian Green Sprouting. Belongs to the Cauliflower family but is of coarser texture, more hardy and therefore adaptable to a wider range of conditions. Forms a center cluster of bluish green flower-heads and develops lateral sprouts. Served like Cauliflower. Pkt. 10 cts.; ½oz. 25 cts.; oz. 45 cts.; ¼lb. $1.40; lb. $5.

RED CABBAGE, Danish Ironball. Round as a ball and hard as iron. Heads are large and have a deep red color throughout. Fine for unusual slaws and pickling. Pkt. 5 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. $1.; lb. $2.75.

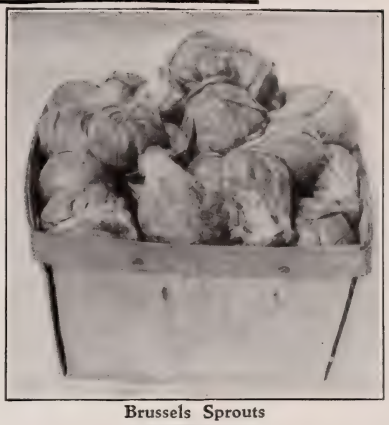
COLLARDS, True Southern or Georgia. A plant of the cabbage family. Endures extreme heat. Most excellent for greens. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 30 cts.; lb. $1.

KOHLRABI, Early White Short-Leaved. Forms a turnip-shaped bulb above the ground which is the edible part. Used when this bulb is young and tender. Combines cabbage and turnip flavors. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 50 cts.; lb. $1.75.

LEEKS, Broad Scotch. A hardy onion-like plant that does not form a bulb but is long and thick. Can be grown as early or late crop. Good substitute for onions and fine for stews. Illustrated on page 55. Pkt. 5 cts.; ½oz. 15 cts.; oz. 20 cts.; ¼lb. 65 cts.; lb. $2.

EDIBLE POD PEA, Mammoth Melting Sugar. Differs from other Peas in that the pods are cooked the same as beans. Pods are large and fleshy and of fine quality. Large Pkt. 10 cts.; ½lb. 25 cts.; lb. 40 cts.; 5 lbs. $1.15; 10 lbs. $2.20.

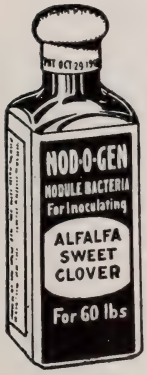
SALSIFY, Mammoth Sandwich Island. A good substitute for oysters. A delicious vegetable that should be in every garden. Can be boiled like parsnips and grated and made into balls and fried like oysters. Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 50 cts.; lb. $1.75.



Brussels Sprouts

Danish Ironball Cabbage

Nod-O-Gen (Jelly) Inoculator



It always pays to inoculate legumes, thus stimulating bacterial growth on their roots, forming nodules which take nitrogen from the air for use by the plant and enrichment of the soil.

Each different crop or group has its own specific culture. In ordering, specify the crop or group for which it is to be used. Peas and Beans are the only garden legume crops that can be inoculated. We supply fresh cultures in dated bottles.

Postpaid Price of Culture for each of the following seeds:

Alfalfa and Sweet Clover. Red, Mammoth, Alsike, White and Crimson Clovers	½ bu. size	$0.30
	1 bu. size	.50
	2½ bu. size	1.00
Soy Beans. Cowpeas. Field and Garden Beans. Field and Garden Peas, Vetches, Sweet Peas and Flat Winter Peas	1 bu. size	$0.30
	2 bu. size	.50
	5 bu. size	1.00

Prices on 10 to 25 bu. sizes for Soy Beans, Cowpeas, Vetches, Field and Garden Beans on request.

Garden Size Package. Combination for Sweet and Garden Peas, Garden and Lima Beans.....$0.15

Useful Garden Accessories

Throughout this book you will find listed various Garden Accessories in which you may be interested. All practical and useful. Two are listed below.

National Eezy Wear Garden Gloves

A new type of glove especially designed for garden wear. Gives finger freedom and complete protection. Economical, too, for they will outwear six pairs of ordinary fabric gloves.

Keeps Your Hands in "Party" Condition

ALL LEATHER—SOFT AS KID
DIRT-PROOF DURABLE WASHABLE

Women's Sizes
Small (5½ to 6½) Medium (6½ to 7½)
Large (7½ to 8½)
Men's Sizes
Medium (9 to 10) Large (10 to 11)

Pair 65c; 2 Pair $1.25 Postpaid

GARDEN SHEAR

An improved shear for cutting flowers and picking fruits, being equipped with an automatic grip which holds them. Indispensable for Roses and other thorny flowers. Absolutely the best accessory we have seen at this low price.

40 Cts. Postpaid

Use Livingston's "True Blue"

All Seed Delivered Free Anywhere in the United States, Proper. See Page 1.

For Success with Flowers Demand QUALITY SEED

Your success with flowers depends largely upon the quality of the seed you buy and the proper method of growing the plants. As to quality, you can open most any seed catalog and find that it lists quality seed only. It seems to us that the mere statement "we sell quality only" has become so shopworn that it means little or nothing to you flower growers. However, we both must recognize the fact that there is a difference in the germinating and productivity qualities of flower seeds. Seed can be grown cheaply if little care is given in producing it but it seldom reproduces quality flowers. Seed can be carried in stock by the seedman from year to year until it is sold, sometimes being mixed with fresh stock, but its germinating qualities deteriorate to where it is worthless. A 5 cent packet of this kind of seed is far more expensive than a 10 cent packet of good fresh seed. If the amount you invest in flower seeds this year is limited, we urge you, if necessary, to sacrifice quantity for quality. There is no doubt but that quality is the first requisite to success with flowers.

In our eighty-four years as seedsmen we have always tried to give our customers the best seed obtainable and at a reasonable price.

Most of our flower seed packets are offered at 10 cents and sealed in each one of them is a good amount of seed and a large amount of quality.

Know How to Grow Seedlings and Care for Plants

We both know that seed cannot be exempt from all blame for poor results but the most common cause of failure with flowers is the lack of knowledge in properly growing and caring for seedlings. Being successful is quite easy if you know a few fundamental growing principles.

Throughout the flower seed section we have endeavored to give you enough information about each variety offered so that you may know whether it is an annual (×), biennial (+), perennial (#), etc. (See key to symbols below.) We also give its height, whether it prefers sun, partial shade or shade, blooming period in months, where it can be used to best advantage and its proper culture (see opposite page), including the depth to sow the seed.

Too much emphasis cannot be given to the depth to sow seed. Common advice usually given is "Sow seed shallow" and while this is good it is too general. Under each variety heading we are giving, in parts of inches, the depth to sow the seed.

If you want more flowers but are not thoroughly acquainted with their culture, read "How to Succeed with Flowers." (Leaflets are free with orders.) We hope our efforts herein contribute to your success this year. It is needless to add that we hope to be favored with your orders.

KEY TO SYMBOLS

× **Annuals.** Attain full growth from seed in one year, bloom and die.
\+ **Biennials.** Generally bloom second year, then die. Some planted early, bloom same year.
\# **Perennials.** Endure winters. Live and bloom several seasons.
○ **Rock-Plants.** Usually Perennials of dwarf growth. Some Annuals are also used.
÷ **House Plants.** Mostly grown inside the year around. Some bloom outside in summer.
= **Climbing Plants.**

How to

ANNUALS bloom the same year and die and can usually be started from seed sown directly in the garden in the spring, although earlier bloom can be enjoyed by starting most of them inside. Biennials generally do not bloom until the second season, then die. Most of these can be sown directly in the garden. Some, if started early inside, will bloom the first year. Perennials, including most rock-plants (○), are hardy, endure winter weather for several seasons and start blooming the second season in the spring. They should be started in flats or boxes any time from late spring to September 1st and set out in the garden in the fall.

Sowing Seed in the Garden

After frost is out of the ground it should be dug and broken up to a depth of at least 9 inches, mixing in plant food if necessary. Pulverize the top soil well and sow the seed evenly, covering as directed herein. Keep the soil at as even moisture as possible until the little plants appear. Thin or transplant as necessary to prevent crowding. Water thoroughly every few days instead of a light sprinkling every day and cultivate often to keep down weeds and to retain moisture in soil.

Growing Seedlings Inside

The ideal box for growing both flower and vegetable seedlings is a window flat about 3 to 4 inches deep. Where you do not want many plants, any shallow box (a cigar box is ideal) will do very well. In any event, place holes in the bottom for drainage. Fill to a depth of 1 inch with cinders or gravel, and the remainder with good, well sifted garden loam to within ¼ inch of the top and firm down.

Follow directions given under each variety heading as to the depth to sow the seed. After it is sown, place the box in a pan of water and let the water be absorbed from the bottom until the top soil shows moist. Never water from the top. Let the surplus water drain out of the bottom, after which place it in a window, preferably with southern exposure, and cover top with glass or heavy paper. Turn this cover several times a day to prevent moisture forming and dropping, thus exposing seed. As soon as the seeds have germinated, remove the cover. Give the seedlings as much air and sunshine as possible but shade them from the noon sun if it is extremely hot. After the plants are well up, keep them cool rather than warm, and grow them slowly. The soil should be kept moist but not wet. This should be done with bottom moisture as above. Too much moisture, especially on cloudy days, improper ventilation, and overcrowding of plants causes damping-off when the stems rot off at the surface of the soil and the plants wilt and die. To prevent crowding, thin or transplant to other boxes, allowing about 2 inches of space each way. Before the plants are transplanted into the garden, they should be hardened off. On mild days expose them to the outdoors and they will soon be able to stand the outside weather without injury.

All perennial flowers can be started in these same boxes, but with fresh soil, except that the box is placed outdoors in a cool, shaded location.

Transplanting Seedlings in the Garden

Much care must be exercised in transplanting young seedlings. A few hours previous to transplanting, water both the seedling box and the soil outside. With a fork carefully loosen and remove the seedlings. Transplant them a little deeper than they were before, firm down the soil and protect them against direct sun for a day or two until they become acclimated to conditions.

Flower Seeds for Best Results

Succeed with Flowers

Cultivation and Care of Plants

The cultivation and care of plants is important if you would have them do their best. They should neither become too dry nor too wet. Water them in the morning or evening and do it thoroughly, rather than giving a mere sprinkling. Very young plants are best watered in the morning so that the leaves will dry off before night, preventing damping-off. Some time after watering, use the cultivator on the surface soil to prevent it from becoming too dry and caked. This will assist the under soil in retaining moisture over a longer period. In cultivating be careful not to injure the roots which grow near the surface. Most annual plants will tend to grow spindly or bloom too soon if they do not have the proper care. These should be pinched, that is the top bud should be removed. This will allow them to branch freely and bloom abundantly.

Soil Fertility and Fertilizers

The growing of healthy and abundant flowers depends largely upon soil fertility and its proper preparation and thorough cultivation. Where the same soil is used over a period of time, it is natural to assume that its plant food becomes depleted and must be replaced thru the use of various commercial fertilizers. Then, too, certain plants require a larger amount of one of the food elements than the soil can supply and for complete success this element must be supplied artificially.

The most essential elements which must be replaced in the soil are nitrogen, phosphoric acid and potash. They can usually be obtained in the proper balance by using any one of several good commercial Plant Foods. It would be impossible for us to give specific instructions for every given condition but our free leaflet "Soil Fertility and Fertilizers" will give you a more clear understanding of these problems. This leaflet sent free with orders.

The Flower Leaflets Listed Below are Free when Asked For with Your Order.

Success with Flower Seed
Growing Annuals
Growing Perennials
Growing Seedlings
Growing House Plants
Gladiolus Culture
How to Grow Asters
How to Grow Pansies
How to Succeed with Sweet Peas
How to make a Better Lawn
Principles of Pruning Trees, Shrubs, Roses, etc.
Rock Gardening.
Soil Fertility and Fertilizers
Spraying and Dusting Calendar

Cultural Directions for Flowers

Under each flower variety heading on the following pages you will find the keyed reference to one of the cultures given below and the depth to cover the seed. This same information is given on each packet we send you. The depth you sow the seed is very important. Lack of this information has been a common cause of failure with flowers. We hope the simplified way we tell you "how" contributes to your success with flowers this year.

Culture A.—Sow seed inside in shallow box of light, well pulverized, moist soil in early spring. Cover to depth as indicated under variety heading herein and firm soil with board. Cover box with glass or paper and place in warm location until germination. After germination, remove cover, supply bottom moisture and place in sunny window. When large enough to handle, thin or transplant 2 inches apart in other boxes and gradually expose to outside conditions. Plant outside after danger of frost. This seed may also be sown outside in the garden in well pulverized soil after frost.

Culture B.—Sow seed outside in well pulverized soil after the last killing frost. Cover to depth indicated under variety heading herein, firm soil and keep moist. Thin or transplant as necessary. If earlier bloom is desired, sow seed inside in shallow box of light, well pulverized, moist soil in early spring. Cover to proper depth and firm soil. Cover box until germination, after which remove cover, supply bottom moisture and place in sunny window. Thin or transplant to other boxes and plant outside after frost.

Culture C.—Sow seed thinly outside in the garden in well pulverized soil after last killing frost. Cover to depth indicated under variety heading herein, firm soil and keep moist. Thin out as necessary so that plants are not crowded. It is best to sow this seed where the plants are to remain as they do not transplant very successfully.

Culture D.—Sow seed outside in early spring as soon as the soil can be well pulverized. Cover to depth indicated under variety heading herein, firm soil and keep moist. Thin or transplant as necessary. For very early bloom, sow outside in late fall just before freezing weather, or can be started quite early inside in box as in culture A and transplanted outside after frost.

Culture E.—Sow seed inside in shallow box of well pulverized moist soil, preferably during spring months. Cover to depth indicated under variety headings herein and firm soil with board. Cover box and place in warm location until germination, after which remove cover, supply bottom moisture and place in sunny window. When large enough to handle, transplant to pots and shift to larger pots as necessary.

Culture F.—Sow seed inside in shallow box of light, well pulverized, moist soil in late winter. Cover seed to depth indicated under variety headings herein and firm with board. Cover box until germination, after which supply bottom moisture and place in sunny window. When large enough to handle, transplant 2 inches apart in other boxes and plant outside after frost is out of the ground. For earlier blooms, sow seed in fall, carry over in coldframe and plant out in spring. June sown seed will bloom in fall.

Culture G.—Sow seed inside in shallow box of well pulverized, moist soil in early spring. Cover to depth indicated under variety headings herein and firm soil. Cover box until germination, after which supply bottom moisture and place in sunny window. When large enough to handle, transplant 2 inches apart in other boxes. When 2 to 3 inches high, shift to pots or can be planted outside after frost.

Culture H.—Sow seed inside in shallow box of well pulverized, moist soil in early spring. Cover seed to depth indicated under variety headings herein and firm soil. Cover box until germination, after which supply bottom moisture and place in sunny window. When plants are large enough to handle, transplant 2 inches apart in other boxes. Plant outside after frost. In the fall take up roots and store in cool, dry place. Seed can also be sown outside after frost.

Culture J.—Sow seed thinly in shallow box of well pulverized moist soil after frost and any time up to August or September 1st. Cover seed to depth indicated under variety headings herein and firm soil with board. Place in cool, shaded outdoor location; after germination, supply bottom moisture. Thin as necessary and transplant to permanent location when large enough to handle. Give protection the first winter. This seed can also be sown in the fall as above, transplanted into coldframes where it is carried through the winter, and planted out in the spring.

Culture K.—Sow seed thinly outside in well pulverized soil in early spring and any time during summer. Cover seed to depth indicated under variety headings herein, firm soil and keep moist. Thin out as necessary. Seed should be sown where plants are to remain as they do not transplant very successfully. Provide protection the first winter. Usually do not bloom until second season.

Imp. Giant of California Aster

Livingston's

Culture A. Sow seed ⅛ inch deep. Hgt. 15 to 30 in.; partial shade.

Asters do best in rich soil with ample moisture. Set plants of earlier sorts 10 inches apart and later sorts 15 to 18 inches apart.

If You Love Asters Try Our New Wilt-Resistant Strains

The most pretentious Aster improvement ever accomplished and a boon to the amateur gardener. While Aster Wilt (Fusarium Wilt) in recent years made it almost impossible to obtain any degree of success, these new strains should again give the Aster its deserved place in the flower world.

Mr. W. M. McConnell, an Aster lover of Harrison County, Ohio, writes us as follows: *"I wish to express my best congratulations in regard to your 'Non Wilt' Asters. I ordered some seed from you this spring (1933) with but little faith as to results but I must confess that I have been agreeably surprised. The seed I purchased from you gave me wonderful blooms. Let me congratulate you."*

These new strains are practically immune to wilt but are not resistant to "Yellows." Those varieties offered are listed directly below the regular strains.

Giants of California.

Improved. This Aster bids fair to become a universal favorite. Characterized by the well-known Crego type of flower, combined with the Beauty Aster's long, non-lateral, branching stems, the California Giants, double type Aster, stands at the head of the list. The introducer says: "It has not only received favorable mention by the Royal Horticultural Society of Great Britain, but has been awarded prizes whenever exhibited in flower shows in various parts of the world." Blooms from July to frost.

3130 **White.** Very large
3132 **Light Blue.** Very delicate.
3134 **Deep Rose.** Rich shade.
3136 **Dark Purple.** Very distinct
} Any one color Pkt. 15 cts. ⅛oz. 45 cts.

COLLECTION: **One pkt. each above colors..... 50c**

3140 **Mixed.** Above and others. Pkt. 15c; ⅛oz. 40c.

New Super Giant Los Angeles

3125 A new race of Asters which promises to supersede all other strains for size and cut-flower use. Received Award of Merit, 1934 All-American selections. Illustrated and fully described on page 4. Pkt. 25 cts.; ⅛oz. 60 cts.

Crego. The Crego is a fine old strain. Flowers are large and have long, narrow, gracefully curled and interlacing petals. Tall growing plants of branching habit with long, stiff flower stems. A mid-season variety, blooming from late August to late September.

3230 **White**
3231 **Crimson**
3232 **Pink**
3233 **Azure Blue**
3234 **Lavender**
3235 **Dark Violet**
3236 **Purple**
3237 **Rose Pink**
} Any one color Pkt. 10 cts. ⅛oz. 30 cts.

COLLECTION: **One pkt. each above 8 colors.. 60c**

3240 **Mixed.** All Colors. Pkt. 10 cts.; ⅛oz. 30 cts.

Crego—Wilt-resistant Strain

3241 **White** 3242 **Rose** 3243 **Pink** 3244 **Violet**
3245 **Purple** 3246 **Crimson** 3248 **Mixed**

Any one above: Pkt. 15 cts.; 1/16oz. 25c.; ⅛oz. 45 cts.

Queen of the Market. About two to three weeks earlier than most other Asters. They bloom profusely and are of graceful habit. Their shape is very similar to Semple's Giant Branching. Being borne on long stems, they are useful for cutting. Height 1½ feet.

3190 **White, Pure**
3192 **Pink**
3194 **Light Blue**
3196 **Dark Blue**
3198 **Crimson**
3200 **Scarlet**
} Any one color Pkt. 10 cts. ⅛oz. 25 cts.

COLLECTION: **One pkt. each above 6 colors.. 50c**

3202 **Mixed.** All colors. Pkt. 10 cts.; ⅛oz. 25 cts.

Queen of the Market—Wilt-resistant Strain

3203 **Crimson** 3204 **Dark Blue** 3205 **Scarlet**
3206 **White** 3208 **Mixed**

Any one above: Pkt. 15cts.; 1/16oz. 25 cts.; ⅛oz. 45cts.

Crego Aster. Fine old Strain

Superb Asters

Livingston's Superb Mixture of Giant Asters

A magnificent mixture, producing beautiful flowers, gigantic in size, gorgeous in color, perfect in form

3330 **This mixture includes the cream of all the Asters** of the most beautiful forms and brilliant colors.

Here is what Mrs. E. E. Bailey, Wood County, Ohio, writes: *"In connection with our Centennial Celebration, I fixed up eight flower entries, all of them but one being grown from seed purchased from you. They were mostly Dahlia-flowered and dwarf Zinnias and the Superb Mixture of Asters, which, by the way, are quite the finest I've ever raised. Imagine my surprise—and delight—to learn that the judges had awarded me seven blue ribbons and one red. I thought that you would be glad to learn how splendidly your seeds grow for just an amateur backyard gardener such as myself."*

Our special strain has been especially selected from the finest, large-sized, double-flowering types.

Pkt. 15c.; ⅛oz. 30c.; ¼oz. 50c.; oz. $1.50

Giant Ostrich Plume. A very large-flowering class, the blooms of which resemble the Giant Comet Asters, as they have the same curled and twisted petals. However, the petals are longer, and the whole flower larger.

3250 **White** 3252 **Rose-Pink** 3254 **Lavender**
3256 **Azure-Blue** 3258 **Dark Blue** 3260 **Crimson**

Any one above: Pkt. 10c; ⅛oz. 25c; ¼oz. 45c.

COLLECTION: **1 pkt. each above 6 colors . . . 50c**

3262 **Mixed.** Pkt. 10c.; ⅛oz. 25c.; ¼oz. 45 cts.

Giant Ostrich Plume—Wilt-resistant Strain

3263 **White** 3264 **Deep Rose**
3265 **Crimson** 3270 **Mixed**
3266 **Dark Blue** 3267 **Pink**

Any one above: Pkt. 15 cts.; 1/16 oz. 25 cts.; ⅛ oz. 45 cts.

American Beauty Asters

American Beauty. The plants are of very strong, vigorous growth, from 2 to 3 feet high. The large flowers, of Semple type, borne on long, stiff stems, bloom in August and last until frost.

3170 **White.** 3172 **September Beauty.** Flesh-pink
3174 **Carmine-Rose.** 3176 **Lavender.** 3178 **Purple**

Any one above, Pkt. 10 cts.; ⅛ oz. 35 cts.; ¼ oz. 60 cts.

COLLECTION: **One pkt. each above 5 colors, value 60 cts 40c**

3180 **Mixed.** All colors. Pkt. 10 cts.; ⅛oz. 30 cts.; ¼oz. 50 cts.

American Beauty—Wilt-resistant Strain

3181 **White** 3182 **Lavender** 3183 **Crimson**
3184 **Purple** 3188 **Mixed**

Any one above, Pkt. 15 cts.; 1/16 oz. 25 cts.; ⅛ oz. 45 cts.

3296 **Sensation.** The darkest red of all Asters. The plant averages about 1½ ft. high and is of the true branching type. Stems are long and stiff, making it ideal for cutting. The flower is very double and averages about 3 inches in diameter. On account of the deep, velvety red color it is exceptionally fine for either bedding or border. Pkt. 10 cts.; ⅛oz. 30 cts.; ¼oz. 50cts.

Sensation—Wilt-resistant Strain.

3297 Same as above in habit and type but possessing wilt-resistant qualities. Pkt. 15 cts.; 1/16 oz. 25 cts.; ⅛ oz. 45 cts.

New Giant of California Sunshine Aster

New Giant of California Sunshine.

3320 **Sunshine, Mixed.** A most attractive new type which has been rightly called the most beautiful Aster in the world. The large flower with its loosely placed, twisted and quilled petals surrounding a cushion center of tiny quills of a contrasting color are altogether charming. (See illustration.) The strain is not entirely fixed but comes 60 to 65% true. Pkt. 15 cts.; 1/16oz. 30 cts.; ⅛ oz. 50 cts.

SEE OTHER ASTERS ON NEXT PAGE

Livingston's Superb Asters—Continued

Semple's Giant Late Branching Aster

Semple's Giant Late Branching

Comes into bloom from one to two weeks later than most others but is at the head of the list for both home-gardeners and florists because of its large size, fine stem, beauty of form and color. The Chrysanthemum-like bloom is at its best in September. Plants are tall, vigorous, strong and very branching.

3150 **Pure White** 3152 **Shell Pink**
3154 **Lavender** 3156 **Royal Purple**
3158 **Crimson**

Any one above: Pkt. 10 cts.; ⅛oz. 35 cts.; ¼ oz. 60 cts.

COLLECTION: 1 pkt. each above..... **40c**

3160 **Finest Mixed Colors.** All shades and colors. Pkt. 10 cts.; ⅛oz. 30 cts.; ¼oz. 50 cts.

Semple's Wilt-resistant Strain

3161 **Pure White** 3162 **Shell Pink** 3163 **Azure Blue**
3164 **Purple** 3165 **Crimson** 3166 **Light Rose**
3168 **Mixed**

Any one above: Pkt. 15c; 1/16 oz. 25c; ⅛ oz. 45c

3300 **Truffaut's Peony-Flowered.** **Mixed Colors.** The improved strains of this grand Aster are considered the finest in cultivation. The large, perfectly double flowers are fine. Height 2 ft. Fine assortment. Pkt. 10 cts.; ⅛oz. 25 cts.; ¼oz. 45 cts.

3290 **Heart of France.** The best pure red Aster ever introduced. In any light, natural or artificial, Heart of France is startlingly beautiful and will command instant admiration. The flowers are large and full with never a trace of hollow center. The plants are of branching type and very robust habit; stems are long and strong and have very few laterals. The plants begin to bloom quite early in the season and open fully with the mid-season varieties. They retain their brilliancy and luster for a longer period than almost any other color. Pkt. 15 cts.; 1/16oz. 25 cts.; ⅛oz. 45 cts.

3291 **HEART OF FRANCE, Wilt-resistant Strain.** Same as above in habit, type and color. Pkt. 15 cts.; 1/16 oz. 30 cts.; ⅛ oz. 50 cts.

BOYD I. WALKER, WAYNE COUNTY, MICHIGAN, WRITES: *"Please send me your 1933 catalog. Mr. Louis McKnight grew some of the finest Asters I ever saw. He told me he got the seed of you."*

King. Similar to the branching type. About 2½ feet high with long, stiff stems. Has distinct type of flower; round, full and very large, many measuring 4 to 5 inches in diameter. Petals resemble quilled varieties but are longer and broader.

3210 **White** 3212 **Pink** 3214 **Rose** 3216 **Violet**
Any one above: Pkt. 10c; ⅛ oz. 25c; ¼ oz. 45c

COLLECTION: One pkt. each above colors **30c**

3218 **Mixed.** Above colors. Pkt. 10 cts.; ⅛ oz. 25 cts.

3294 **PEERLESS YELLOW.** Midway between Cregos and Late Branching varieties. A beautiful yellow flower with centers covered with curled and twisted florets. A vigorous, branching type. Considered the best yellow. Pkt. 15 cts.; 1/16 oz. 30 cts.

Hardy Aster (Michaelmas Daisy)

Native wild Asters are ideal for the hardy border or rock garden. They supply masses of dainty and bright colors through all the autumn months when color in the garden is very scarce.

3335 **Alpinus, Mixed.** Culture J; sow seed ⅛ in. deep; height up to 15 inches. Pkt. 15 cts.; 1/16 oz. 35 cts.

OUR BIG GARDEN CLUB SPECIAL

Livingston's Exhibition Aster Collection **7 Pkts.** **50c**

One packet each, **Semple's Giant Branching, Mixed; Giant Ostrich Plume, Mixed; Crego, Mixed; Truffaut's Peony-Flowered, Mixed; Livingston's Superb Mixture of Giant Asters; King, Mixed; Sensation.** Most complete assortment of early, medium-early and late Asters it is possible to offer at such a price.

Would cost 75c purchased separately

Livingston's "True Blue" CANARY BIRD SEED

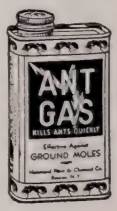
Our own high grade mixture made from only the best, clean and fresh seeds. Guaranteed re-cleaned and free from dust. Keep your bird healthy and in good song with this "True Blue" mixture. Packed in full pound closed cartons with handy pouring spout.

Pound 25 cts. Postpaid

Hammond's ANT GAS

Kills Ants Quickly

Simple and easy to use. Small amount applied to the ant hill forms a heavier-than-air gas which penetrates and kills the ants—queen and all. Also kills moles by same method. Not dangerous or poisonous. At these prices you cannot afford to be bothered with these pests.



Half Pint Can.....**50c**
Pint Can.....**90c** **Quart Can**.....**$1.50**
POSTPAID

Aquilegia (Columbine)

One of Our Most Gracious Plants

Culture J. Sow seed ⅛ inch deep. Hgt. 1½ to 2 ft.; moist, partially shaded location; blooms May to July and leaves handsome foliage to assist other less fortunate blooms. Ideal for bedding and cutting.

3090 **Mrs. Scott Elliott's Strain of Long-spurred Hybrids.** Most popular variety. Extra large blooms with very long spurs. Colors range through most harmonious number of shades fitted for any garden plan. Pkt. 20 cts.; 1/16oz. 35 cts.

3092 **LONG-SPURRED SINGLE HYBRIDS.** Large brilliantly colored, long-spurred flowers ranging through every conceivable shade. Pkt. 10 cts.; 1/16oz. 25 cts.; ⅛oz. 40 cts.

3094 **New Long-spurred Rose Queen.** A beautiful light pink to dark rose. Pkt. 15c.; 1/16oz. 35c.

3100 **Chrysantha.** Clear yellow. Pkt. 10 cts.; 1/16oz. 25 cts.; ⅛oz. 45 cts.

3102 **Cærulea.**○ Blue. Pkt. 10 cts.; 1/16oz. 25 cts.

3096 **Double Varieties, Mixed.** Pkt. 10c; ⅛oz. 20c.

3098 **Single Varieties, Mixed.** Pkt. 10c; ⅛oz. 20c.

Long-spurred Aquilegia

ASPARAGUS ÷

Culture E. Soak seed over night, sow ½ inch deep. House plants.

3116 **Plumosus nanus.** (Climbing Lace Fern). Half-hardy. Pkt. 15 cts.; 100 seeds 45 cts.

3118 **Sprengeri** (Emerald Feather). Minute rose flowers. Grows freely. Pkt. 10 cts.; 100 seeds 35 cts.

LADIES' GARDEN GLOVES—Add a pair to your order—See page 11

For Your Rock Garden

Culture J. Sow seed ⅛ in. deep.

3108 **ARABIS ALPINA.** (Rock Cress.) #○ Hgt. 6 in.; needs sun; blooms early spring. Hardy perennial with pure white flowers. Pkt. 10 cts.; ⅛oz. 25 cts.

3110 **ARENARIA montana.** #○ Hgt. 6 in.; sun; blooms May and June. Grows in tufts with small white flowers. Pkt. 20 cts.; 1/16 oz. 50 cts.

3336 **AUBRIETIA, Large-flowering Hybrids, Mixed.** #○ Hgt. 6 in.; sun; blooms April and May. Fine creeping plant. Mixed colors. Pkt. 25 cts.; 1/16oz. 45 cts.

Ageratum

The Blue Ageratums ×

Culture B. Sow seed 1/16 inch deep. Hgt. 4 to 8 in.; sun; profuse bloom from July to frost. Splendid for edging, cutting, rock-gardens, house plants, and porch boxes.

3020 **BLUE CAP.** *New.* Larger flowers and deeper blue than others. Very dwarf and compact. Pkt. 25 cts.; 1/16oz. 35 cts.

3012 **PERFECTION BLUE.** Deep amethyst-blue. Compact growth, 8 inches high. Pkt. 10 cts.; ⅛oz. 20 cts.

3014 **Little Blue Star.** Dwarf, bushy growth, bright blue flowers. Pkt. 25c; 1/16oz. 35 cts.; ⅛oz. 65 cts.

3016 **Mexicanum.** Lavender-blue. 1½ ft. Pkt. 10 cts.; ⅛oz. 20 cts.

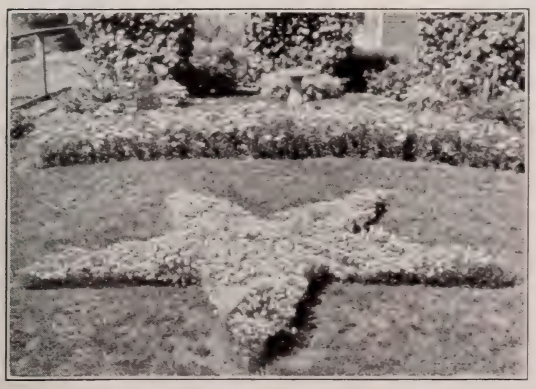
3018 **FINEST MIXED.** All the best varieties. Pkt. 10 cts.; ⅛oz. 25 cts.

ANAGALIS, The Weather Prophet ×○

Culture B. Sow seed ⅛ inch deep. Hgt. 6 to 9 in.; prefers sun; blooms from June on. Sometimes called "Poor Man's Weatherglass" because the flowers close at approach of bad weather. Excellent for border and rock-garden.

3038 **Blue Bird.** Turquoise-blue. Spreading plant and free bloomer. Pkt. 10 cts.; ⅛oz. 25 cts.

3039 **Mixed.** Blue and scarlet. Pkt. 10 cts.; ⅛oz. 25 cts.



Little Gem Alyssum Star with Phlox Crescent

Sweet-scented Alyssum

Culture B. Sow seed 1/16 inch deep. Hgt. 6 to 9 in.; sun or partial shade; blooms June to frost; fragrant; does well in poor soil. Fine for bedding, cutting, rock gardens and edging. An excellent edging is white and lilac mixed. A bed of blue Centaurea edged with White Alyssum is very charming.

3032 **Little Gem or Carpet of Snow.** × A very dwarf, compact-growing variety. While only 6 inches in height, each plant will carpet a circle from 20 to 30 inches in diameter, and form a solid mass of snow-white flowers of delicious fragrance. Pkt. 10 cts.; ⅛oz. 15 cts.; ¼oz. 25 cts.; oz. 75 cts.

3030 **MARITIMUM.** × One of our most popular hardy annuals. Blooms continually from earliest summer until frost. 10 inches. Pkt. 10c; ⅛oz. 15c; oz. 40c.

3036 **LILAC QUEEN.** × Of compact habit. Pretty, deep lavender-lilac flowers. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

3034 **Saxatile compactum** #○. (Golden Saxatile or Basket of Gold.) Perennial variety; culture J; sow seed ⅛ in. deep; hgt. 9 in.; blooms May and June. Fine for rock-work; does well in sun or partial shade. Brilliant golden yellow. Pkt. 10c; ⅛oz. 25c; ¼oz. 40c.

3028 **ROCK GARDEN MIXTURE.** #○ Hardy, dwarf sorts. Culture same as above. Pkt. 20 cts.; 1/16oz. 35 cts.

Giant-Flowered Snapdragon

Choice Antirrhinums

(Snapdragons) ×

Culture D. Sow seed 1/16 inch deep. Hgt. 1 to 2 ft.; sun or partial shade. Fine for cutting and garden decoration. Combines well with Lupines and Dianthus.

Giant-Flowered Maximum. Far surpasses anything yet introduced. Slightly taller than the Majus group. Flowers are of magnificent size, closely placed on long stems. Slightly variable in size and color. (See illustration at right.)

3050 **Old Gold.** Deep golden yellow.
3052 **Canary Bird.** Canary-yellow.
3054 **Purple King.** Deep purple.
3056 **Copper King.** Copper-scarlet.
3058 **Ruby.** Rich, velvety ruby-red.
3060 **The Rose.** Begonia-rose.
3062 **Snowflake.** Pure white, yellow lip.

Any one above: pkt. 15 cts.; 1/16oz. 25 cts.; 1/8oz. 40 cts.

COLLECTION: One pkt. each above 7 colors; value $1.05 85c

3070 **Livingston's Giant-Flowering Maximum Mixed.** Every desirable color and shade is in this class. Individual flowers and flower-spikes are of great size. Pkt. 15 cts.; 1/8oz. 35 cts.; 1/4oz. 60 cts.

3082 **Afterglow.** A fine new variety. Color is a deep golden bronze. Excellent for outdoor or under-glass cultivation. Pkt. 50 cts.; 1/16oz. 80 cts.

3078 **Geneva Yellow.** Our own introduction. A pure canary-yellow with golden yellow throat. Large, bold flowers on long, strong stems. A distinct improvement over Canary Bird and a fine forcing variety. Pkt. 35 cts.

3080 **JENNIE SCHNEIDER.** A beautiful new, rose-pink, early forcing variety. Pkt. 35 cts.; 1/16oz. 85 cts.

3076 **GENEVA PINK.** Has spikes of large, beautiful, glistening rose-pink flowers. One of the best for growing under glass. Pkt. 25 cts.; 1/32oz. 50 cts.; 1/16oz. 90 cts.

3084 **SILVER PINK.** Shade of pearly pink. Pkt. 15 cts.; 1/16oz. 25 cts.

3072 **LARGE-FLOWERING MAJUS, MIXED.** An elegant assortment of innumerable rich colors and shades. Pkt. 10 cts.; 1/8oz. 25 cts.

3083 **Cheviot Maid.** A clear pink. Pkt. 50 cts.; 1/32oz. $1.00.

Dwarf Snapdragons For Your Rockery

3074 **Rock Hybrids.** ○ Early-flowering dwarf hybrid Snapdragons, 6 inches tall. Compact bushes of various colors and shades. Pkt. 25 cts.; 1/16oz. 40 cts.

3086 **Majestic.** ○ Mixed. A new type of semi-dwarf growth but having flowers of giant size. Pkt. 25 cts.; 1/16oz. 35 cts.

ANEMONE (Wind Flower) # ○

Culture H. Sow seed 1/8 inch deep. Hgt. 12 to 18 in; sun or partial shade. An obliging sweet-scented perennial, fine for cutting and ideal for the hardy border or rockery.

3040 **ST. BRIGIDS STRAIN.** The true Irish variety. Fine array of mixed colors. Plant 12 ins. tall; blooms in May and June. Pkt. 20 cts.; 1/16oz. 35 cts.

3042 **Sylvestris.** (Snowdrop Windflower.) Sweet-scented white flowers on 12 to 18 inch stems. Blooms in April and May. Pkt. 15 cts.; 1/16oz. 25 cts.

Anemone

Colorful Begonias ÷

Culture E. Sow seed on surface and firm soil. Hgt. 12 in.; blooms May to October, and inside in winter. Withstands drought.

3364 **Gracilis luminosa.** A brilliant, fiery dark scarlet. The plant is of sturdy growth, forming dense bushes 1 foot high, hidden with flowers from May until frost. Pkt. 25 cts.

3366 **Vernon.** Bright orange - carmine flowers and very dark leaves. Start seed early. Pkt. 10 cts.; 1/32oz. 25 cts.

3370 **Finest Mixed.** A superior assortment. Pkt. 10 cts.; 1/32oz. 25 cts.

Sturdy, Bushy Balsam ×

Culture B. Sow seed 1/8 inch deep. Hgt. 1 1/2 to 2 ft.; sun or partial shade; blooms August and September from spring sown seed.

3348 **BUSH FLOWERING, MIXED.** Free-flowering, double. Flowers come in clusters at top of stem. Pkt. 15c.; 1/16oz. 25c.

3350 **LIVINGSTON'S PREMIUM, FINEST MIXED.** Large, double flowers. Varied and brilliant colors. Pkt. 10 cts.; 1/8oz. 15 cts.; 1/4oz. 25 cts.

3352 **Double Camellia-Flowered, Finest Mixed.** Pkt. 10 cts.; 1/8oz. 15 cts.; 1/4oz. 25 cts.

3354 **Double Mixed.** Pkt. 10 cts.; 1/4oz. 25 cts.; oz. 60 cts.

3360 **BALSAM APPLE and PEAR (Momordica), Mixed.** × Vining. Golden yellow fruit. Brilliant blood-red interior. Pkt. 10 cts.; 1/4oz. 25 cts.; oz. 60 cts.

ANCHUSA ×

Culture A. Sow seed 1/16 inch deep. Compact plant; 2 ft. high.

3044 **Angustifolia Capensis, Blue Bird.** Vivid indigo blue. Pkt. 15c.; 1/16oz. 25c.

CALAMINTHA ○

Culture J. Sow seed 1/8 in. deep. Hgt. 6 in.; blooms May and June.

3376 **Alpina.** Tufted growth; lavender blue flowers. Pkt. 25c; 1/64 oz. 60c.

Anchusa

Calendula (Pot Marigold) ×

Culture B. Sow seed to depth 4 times their size. Hgt. 12 to 18 in.; sun or partial shade; blooms July to frost, even in poor soil. Fine for bedding, borders, house plants and cut-flowers.

3385 **Golden Beam.** New introduction from Australia. Strong, wiry stems with buttercup yellow flowers, having long, loose, drooping petals producing a round fullness. Illustrated on page 6. Pkt. 10 cts.; ⅛oz. 35 cts.; ¼oz. 65 cts.

3386 **SENSATION.** A sensational development. Has large, double orange flowers with a scarlet sheen. The long, strong stems make it unexcelled for cutting. Pkt. 15 cts.; ⅛oz. 35 cts.; ¼oz. 60 cts.

3384 **RADIO.** A new introduction. Orange flowers of medium size, with beautifully quilled petals. Pkt. 10 cts.; ⅛oz. 25 cts.; ¼oz. 45 cts.

3380 **Orange King.** Large, full double, deep orange. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

3382 **Ball's Orange.** A beautiful variety, especially adapted to forcing. Pkt. 10 cts.; ⅛oz. 30 cts.; ¼oz. 50 cts.

3388 **FINE DOUBLE MIXED.** Pkt. 10 cts.; ⅛oz. 15 cts.; ¼oz. 25 cts.; oz. 40 cts.

See New Sunshine Calendula, page 4

LARGE-FLOWERING CANNAS ×

Culture H. File off one end of seed, soak over night and sow 1 inch deep. Hgt. 2 to 3 ft.; sun; blooms July to frost.

3436 **Large-flowering French Hybrids, Mixed.** Easily grown from seed. Pkt. 10 cts.; oz. 30 cts.; ¼lb. 90 cts.

CANDYTUFT (Iberis) ×

Culture C. Sow seed 1/16 inch deep. Hgt. 3½ to 12 in.; sun; bloom June to October. For edging and cutting.

3400 **Miniature Gem (New Hyacinth-Flowered).** A dainty miniature variety about 3½ in. tall, producing 4 to 6 spikes of pure white flowers to the plant. Perfect for rockery. Pkt. 10 cts.; ⅛oz. 30 cts.

3404 **ROSE CARDINAL.** Profuse bloomer; height 8 inches. Pkt. 10 cts.; ⅛oz. 20 cts.

3406 **EMPRESS or GIANT HYACINTH-FLOWERED.** Improved strain; height 12 inches. Pkt. 10 cts.; ⅛oz. 20 cts.

3402 **Large-flowering Dwarf, Mixed.** Pkt. 10 cts.; ⅛oz. 15 cts.; ¼oz. 25 cts.

3412 **Mixed Annual Sorts.** Pkt. 10 cts.; ⅛oz. 15 cts.; ¼oz. 20 cts.; oz. 45 cts.

Hardy Candytuft

Culture J. Sow seed ⅛ inch deep. Hgt. 9 to 12 in.

3414 **GIBRALTARICA.** ○ # Lilac, shading to white; blooms early. Pkt. 10 cts.; 1/16oz. 20 cts.; ⅛oz. 30 cts.

3416 **SEMPERVIRENS.** ○ # Pure white. Pkt. 10 cts.; 1/16oz. 25 cts.; ⅛oz. 45 cts.

Calendula, Sensation

CELOSIA OR COCKSCOMB ×

Culture B. Sow seed 1/16 inch deep. Hgt. 2 to 3 ft.; sun; blooms July to frost from spring sown seed. Fine for bedding and everlastings. Try bedding them with Zinnias.

Ostrich Plume Varieties

Graceful, pyramidal plants tipped with brilliantly colored ostrich feather plumes. Height 3 ft.

3470 **THOMPSONI MAGNIFICA.** Mammoth blossoms of vivid colors. Mixed.

3472 **Gold Plume.** Yellow 3474 **Fire Plume.** Scarlet
Any one above: Pkt. 10 cts.; ⅛oz. 25 cts.

COLLECTION: 3 Ostrich Plume varieties above. **25c**

CHINESE WOOLFLOWER. Unique type of Ostrich Plume. Forms large globular heads of rich color.

3464 **Crimson.** 3460 **Mixed.** All colors.
Price of either: Pkt. 10 cts.; ⅛oz. 25 cts.

Comb Varieties

3476 **GLASGOW PRIZE.** Dark crimson. Pkt. 10 cts.; ⅛oz. 25 cts.

3478 **Finest Dwarf, Mixed.** Pkt. 10 cts.; ⅛oz. 25 cts.

The Gay, Wiry Calliopsis ×

Culture B. Sow seed ⅛ inch deep. Hgt. 1 to 2 ft.; sun; blooms June to August from spring sown seed. Will endure poor soil. Used for bedding, massing and cutting.

3390 **HYBRIDA SUPERBA.** Very showy new hybrids, varying from pale yellow to rich orange and velvety brown. Pkt. 10 cts.; ⅛oz. 15 cts.; ¼oz. 25 cts.

3392 **Golden Wave** (*C. Drummondi*). Large golden yellow flowers with brown centers. Pkt. 10c; ⅛oz. 15c; ¼oz. 25c.

3394 **Mixed Tall Sorts.** Pkt. 10 cts.; ⅛oz. 15 cts.; ¼oz. 25 cts.

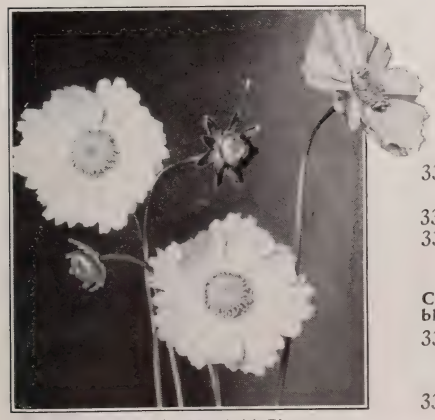
3396 **Mixed Dwarf Sorts.** Pkt. 10c; ⅛oz. 15c; ¼oz. 25c.

COREOPSIS (Hardy Calliopsis)

Culture J. Sow seed to depth four times their diameter. Hgt. 2 ft.; sun; usually blooms from June on. One of the best yellows for cutting and massing.

3397 **MAYFIELD GIANT.** New strain of Australian origin. Extra tall and vigorous; deep golden-yellow perfect flowers. Pkt. 10 cts.; ⅛oz. 25 cts.; ¼oz. 45 cts.

3398 **Lanceolata grandiflora.** (Harvest Moon). Golden Yellow. Pkt. 10 cts.; ⅛oz. 15 cts.; ¼oz. 25 cts.



Coreopsis, Mayfield Giant

The Showy Canterbury Bells +#

(Campanula)

Campanula, Rotundifolia

Culture J. Sow seed 1/16 inch deep. Hgt. 6 to 24 in.; sun or partial shade; withstands drought. For bordering, cutting and rock-work. Combines well in the border with Foxgloves.

3420 **Livingston's Prize Mixture** An elegant mixture of all finest classes and colors of single and double and "Cup and Saucer" varieties. Pkt. 10 cts.; ⅛oz. 25cts.

3422 **CALYCANTHEMA+** (Cup and Saucer Bellflower). Pkt. 10 cts.; ⅛oz. 30 cts.

3424 **Finest Double Mixed.+** Pkt. 10 cts.; ⅛oz. 20c.

3426 **Finest Single Mixed.+** Pkt. 10 cts.; ⅛oz. 20c.

3428 **Pyramidalis Mixed#** (Chimney Bellflower). A hardy perennial flowering in late summer. Pkt. 10 cts.; 1/16oz. 25 cts.; ⅛oz. 40 cts.

3430 **CARPATICA.#○** Beautiful free-flowering, hardy perennial. Height 9 inches. Blue and White, mixed. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

3431 **ROTUNDIFOLIA. (Blue Bells of Scotland).#○** Matted foliage. Dainty blue flowers. Pkt. 15 cts.; 1/16oz. 75 cts.; ⅛oz. $1.40.

3432 **TURBINATA.#○** Grows to 6 inches with beautiful cup-shaped flowers of blue smothering the plant. Pkt. 15 cts.; 1/16oz. 35 cts.; ⅛oz. 60 cts.

New Annual Canterbury Bells ×

Bringing Spring to the Garden in September

3418 **MIXED.** Blooms from seed in less than six months. Grows 2 to 2½ feet high and produces 6 to 8 spikes of bloom. Gold Medal Winner, All-American Selection, 1933. More fully described on page 5. Culture A, sow seed 1/16 inch deep. Pkt. 15 cts.; 1/16oz. 35 cts.

***New Annual Canterbury Bell.* See page 4.**

CINERARIA

Culture E. Sow seed on surface and merely cover. Hgt. 18 in.; house plant; does well outside in summer.

3525 **Multiflora Nana.** *New.* Dwarf plants with masses of small self-colored flowers. Dainty foliage. Pkt. 25 cts.

3526 **Livingston's Prize Mixture.** Contains richest colors; large. Pkt. 25 cts.

3528 **Maritima.×** (Dusty Miller). Silvery white foliage. Height, 1 foot. Perennial, but usually grown as an annual. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

CHRYSANTHEMUMS

Culture J. Sow seed ⅛ inch deep. Hgt. 2 to 3 ft.; sun; blooms August to October. Used in borders.

3516 **Japanese Hybrids.** Double. Pkt. 15c.; 1/32oz. 75c.

3518 **Inodorum.** (Bridal Robe). New; pure white; extra fine. Pkt. 10 cts.; 1/16oz. 25 cts.

The Fragrant Carnations

Culture G. Sow seed ⅛ inch deep. Hgt. 6 to 12 in.; sun; blooms June to frost. For pot-plants, bedding and rock-gardens. Needs winter protection. Half-hardy.

3442 **Giant Marguerite.** Enormous flowers; colors most varied and brilliant. They come **into full bloom in four months from sowing** and continue until hard frosts. Our strains are semi-dwarf and strong growers. Height, 1 foot. Pkt. 10 cts.; 1/16oz. 20 cts.; ⅛oz. 35 cts.

3440 **LIVINGSTON'S PEERLESS MIXTURE. All bloom the first summer.** A very choice mixture including all superb sorts. Pkt. 15c.; 1/16oz. 30c.

3446 **Chabaud's Giant Perpetual.** Comes into bloom in a little over four months from seed; extra-large size; fine range of colors; is very sweet-scented. Mixed colors. Pkt. 10c; 1/16oz. 20c.

3448 **CHABAUD'S GIANT IMPROVED, Mixed.** A greatly improved strain. Blooms of large size, fine form. About 90 per cent double and highly clove-scented. Pkt. 15 cts.; 1/16oz. 30 cts.

3452 **RED GRENADIN.#○** Dwarf hardy perennial. Double red flowers; no outdoor Carnation can equal it. Pkt. 10 cts.; 1/16oz. 30 cts.

3450 **Fine Double Mixed.** Pkt. 10c; 1/16oz. 20c.

The Dazzling Cheiranthus # ○

Culture J. Sow seed ⅛ in. deep. Hgt. 9 to 12 in.; sun; blooms from May on and first year from early sown seed.

3512 **ALLIONI.** (Siberian Wallflower.) Dazzling fiery orange, 12 inch stems. Blooms freely and for this reason best used as a biennial. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

3514 **Linifolius.** (Alpine Wallflower.) Lilac shade; 9 inches. Pkt. 10 cts.; ⅛oz. 30 cts.; ¼oz. 50 cts.

Carnations. Giant Marguerite

Old-Fashioned Centaureas

Culture D. Sow seed ⅛ inch deep. Hgt. 2 feet; sun or partial shade; blooms July to October from spring sown seed. Endures poor soil. Fine for massing and cutting.

Cyanus ×+

3486 **BACHELOR'S BUTTON.** The true old-fashioned Bachelor's Button of your grandmother's garden. Mixed colors. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 30 cts.

3490 **DOUBLE BLUE.** Identical in color to the popular single blue variety, but being a full, double flower makes it better for cutting. Also ideal bedder bordered with White Alyssum. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 30 cts.; oz. 60 cts.

3492 **PULCHERRIMA.#** Hardy perennial; rosy lavender; 16 inches. Pkt. 10 cts.; 1/32oz. 50 cts.

Giant-Flowering Sweet Sultans (Imperialis)×

The blooms are borne on long stems. Of the easiest growth; very showy in the garden all summer long.

3496 **Giant Mixed Colors.** An elegant assortment of colors. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 30 cts.; oz. 85 cts.

3498 **LIVINGSTON'S CHOICE MIXTURE.** Fine blending of Bachelor's Buttons and Giant Sweet Sultans. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 30 cts.

White-Leaved Centaureas (Dusty Millers)×

Silver-foliaged plants, extensively used for edging, hanging-baskets, house plants etc.

3502 **Candidissima.** Very thick, broadly cut, silvery white leaves. Height, 1 ft. Pkt. 10 cts.; 1/16oz. 30 cts.; ⅛oz. 50 cts.

3500 **Gymnocarpa.** Leaves fern-like; silvery gray color. Fine for borders. Height 1½ feet. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.; oz. 90 cts.

The Curious Chelone

Culture J. Sow seed ⅛ inch deep. Hgt. about 3 ft.; sun. Flowers resemble a turtle's head; useful for cutting.

3510 **Barbata Praecox.** Rich colored early flowering hybrids. Illustrated on page 6. Pkt. 10 cts.; ⅛oz. 25 cts.; ¼oz. 40 cts.

Giant-flowering Sweet Sultan

COLEUS×

GRANDMOTHER'S "Foliage Plant"

Culture A. Sow seed 1/16 inch deep. Hgt. 8 to 12 in.; sun or shade. For bordering and pot culture. Striking colors and brilliant variegated leaves.

3542 **Fine Mixed Hybrids.** Mixed seed from a very fine collection. Pkt. 10c; 1/32oz. 35c.

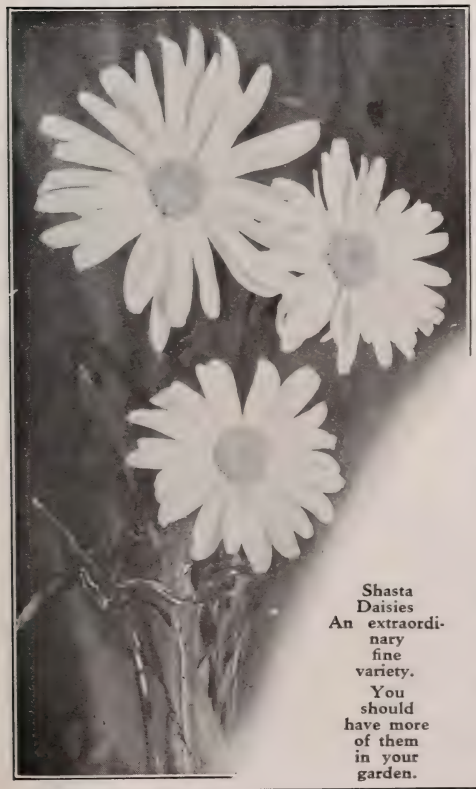
3540 **Extra-Fine Mixed Hybrids.** Our finest mixture. Pkt. 15 cts.; 1/32oz. 40 cts.

3544 **Large - leaved Fringed.** Beautiful leaves. Pkt. 20 cts.; 1/64oz. 45 cts.

Silvery Cerastium # ○

Culture J. Sow seed ⅛ inch deep. Hgt. 4 in.; sun; blooms June and July.

3508 **Tomentosum.** (Snow-in-Summer). Silvery white foliage; abundance of snow-white flowers. Pkt. 15 cts.; 1/16oz. 25 cts.



Shasta Daisies An extraordinary fine variety. You should have more of them in your garden.

CARDINAL CLIMBER× =

Culture B. Soak seed over night, sow ½ inch deep.

3458 **Annual climber.** Vigorous growth, reaching 20 feet in a season. Beautifully cut foliage. Pkt. 10 cts.; ⅛oz. 25 cts.

CLARKIA×

Culture B. Sow seed ⅛ inch deep. Hgt. 2 to 2½ feet; sun or partial shade.

3538 **ELEGANS, Choice Double Mixed.** Long stems; exceedingly bright and profuse bloom. Pkt. 10 cts.; 1/16oz. 20 cts.; ⅛oz. 35 cts.

CRUCIANELLA×○

Culture J. Sow seed ⅛ in. deep. Hgt. 18 in.; sun or partial shade. Fine for rockery.

3568 **Stylosa.** Tangled masses of fine foliage; many heads of red flowers. Pkt. 15 cts.; ⅛oz. 30 cts.; ¼oz. 50 cts.

The Profuse Daisies

× ANNUAL—Culture C #PERENNIAL—Culture J

Sow seed ⅛ inch deep; sun or partial shade; used in borders and fine for cut flowers. Does best in rich soil and cool situation; needs protection in winter. Charming for pots, edgings and borders.

3598 **Arctotis Grandis**× (African Daisy). A useful and charming cut-flower from June till frost, lasting a week in water. The daisy-like flowers are glistening white but variegated by the under-surface of pale lilac-blue. Grows 2 to 3 feet. Pkt. 10 cts.; ⅛oz. 20 cts.

3600 **Bellis Perennis, Monstrosa Mixed.** (English Daisy.) #○ Includes the Pink and White Monstrosa as well as many other fine sorts. Hgt. 6 inches. Blooms May and June. Pkt. 10 cts.; 1/16oz. 25 cts.

3608 **Shasta Daisy** # **Selected Seed.** Hardy perennial variety; hgt. 2 feet. The graceful flowers are large with three or more rows of pure white petals. Blooms abundantly for several months. Popular with florists; belongs in every garden. Pkt. 10 cts.; 1/16oz. 20 cts.; ⅛oz. 35 cts.

Colorful Cosmos for

Extra Early Flowering Cosmos

Culture B. Sow seed ⅛ inch deep. Hgt. 5 to 6 ft.; sun; blooms August to October from spring sown seed and withstands drought. A decorative garden plant whose value is inestimable and a fine cut flower. Sow both early and late varieties and enjoy them longer. Cosmos with Hollyhocks make a stunning mixed background.

Extra-Early Mammoth-Flowering

This is a new strain of Cosmos selected for size of flowers and earliness. The growth of this new Cosmos is very rapid.

3552 **White.** 3554 **Pink.** 3556 **Crimson.**

Any one above: Pkt. 10c.; ⅛oz. 20c.; ¼oz. 30c.; oz. 75c.

3558 **Mixed.** A well-blended mixture of white, pink, and crimson. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 30 cts.; oz. 75cts.

MAMMOTH PERFECTION GIANTS OF CALIFORNIA

Represent the highest developed types in Cosmos. Flowers are of enormous size, perfectly formed and of richest colors.

3560 **Mammoth Perfection, Mixed.** Every color and shade. Pkt. 10 cts.; ¼oz. 20 cts.; oz. 50 cts.

3548 **EXTRA EARLY EXPRESS, Mixed.** Flowers in about 50 days from sowing seed. Medium blooms; height 3 feet. Pkt. 15 cts.; 1/16oz. 25 cts.; ⅛oz. 40 cts.

A GOLDEN-YELLOW COSMOS

3566 **KLONDYKE, Hybrida.** Golden-yellow single flowers from 2 to 3½ inches across. For good blooms in the north, grow in pots plunged in the soil, thus confining the roots and forcing it to bloom. Pkt. 15 cts.; ⅛oz. 25 cts.; ¼oz. 40 cts.

DRACAENA (Dragon Plant)÷

3670 **Indivisa.** Long, narrow, ornamental-leaved plants for vases. Culture E. Sow seed ⅛ inch deep. Pkt. 10 cts.; ⅛oz. 20 cts.

Grow

The Stately FOXGLOVES (Digitalis)+

Culture J. Sow seed on surface and merely cover. Hgt. 3 to 4 ft.; sun or partial shade; bloom June and July. The large, tube-like flowers, produced freely in beautiful spikes, add much to hardy beds and borders. Foxgloves bordered with Canterbury Bells make an attractive display.

3650 **Gloxiniæflora.** A beautiful class, with spotted flowers. We offer a mixture of finest varieties. Pkt. 10c; ⅛oz. 20c; ¼oz. 35c.

3652 **MONSTROSA** (Mammoth Foxglove). A grand strain. The top flowers of the spikes are of enormous size. Fine assortment of colors. Splendid mixture. Pkt. 10 cts.; ⅛oz. 25 cts.; ¼oz. 45 cts.

3654 **PURPUREA, Finest Mixed.** The common Foxglove so generally known. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.; oz. 85c.

"TRUE BLUE" SEED
None Better

Digitalis (Foxglove)

Double Annual Pinks

Culture A. Sow seed ⅛ inch deep. Hgt. 1 foot; sun or shade; blooms July to October. Very popular for bedding and cutting; good rock-garden annual.

3624 **GIANT FRINGED AND RUFFLED PINKS, Double Marvelous** or **Japanese Fringed Pinks** (*D. mirabilis fl.-pl.*) Remarkable Strain. Double flowers on stiff stems, petals deeply cut with thread-like fringes and twisted in all directions. Mixed colors. Pkt. 15c; ⅛oz. 30 cts.; ¼oz. 50 cts.

3632 **Livingston's Mixture of Double Pinks.** A splendid combination of all the best varieties. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

3642 **Sweet Wivelsfield.** A new hybrid. Growth is similar to Sweet William but the flowers are larger, with a wider and more brilliant color range. Daintily marked and highly perfumed. Can be grown as a biennial but will bloom the first year from seed. Pkt. 15 cts.; ⅛oz. 35 cts.; ¼oz. 65 cts.

Small, odorless tablets. Especially good for pot-plants. 30 tablets 25c.; 75 tablets 50c.; 200 tablets $1. Postpaid.

FULTON'S Plantabbs
ODORLESS PLANT FOOD TABLETS

Autumn Bloom

Orchid-Flowered Cosmos

3562 **Lady Lenox, Pink.** Flowers are 4 to 5 inches in diameter. Color a delightful shell-pink, lighting up beautifully at night. Splendid variety. Height, 6 to 7 feet. Pkt. 10 cts.; ⅛oz. 15 cts.; ¼oz. 25 cts.; oz. 75 cts.

3564 **Lady Lenox, White.** Similar to above except white. Pkt. 10 cts.; ⅛oz. 15 cts.; ¼oz. 25 cts.; oz. 75 cts.

Crested Cosmos

A new class, producing beautifully crested flowers which lend themselves to the most artistic arrangement.

Double-Crested Cosmos

3550 **Double Crested, Mixed.** Pkt. 15 cts.; ⅛oz. 30cts.; ¼oz. 50 cts.

3546 **HOLLYWOOD STAR.** Something new in crown and crested Cosmos. Has center from which about eight quilled petals with slightly curled tips issue. Mixture of red, white and pink. Pkt. 10 cts.; 1/16oz. 25 cts.; ⅛oz. 40 cts.

Mrs. R. M. Hays, Newton County, Missouri, writes: *"Your collection and catalog are a wonderful help to us small amateur gardeners."*

Grow DAHLIAS From Seed For New Types and Colors

Culture H. Sow seed to depth four times their size. Hgt. 3 to 5 ft.; sun; blooms July to frost.

3590 **LARGE-FLOWERING CHOICE DOUBLE MIXED.** Very round, double flowers. Pkt. 10 cts.; ⅛oz. 30 cts.; ¼oz. 50 cts.

3592 **Cactus Varieties, Choice Mixed.** Pkt. 10 cts.; 1/16oz. 25 cts.; ⅛oz. 45 cts.

3594 **Livingston's Superb Dahlia Mixture.** Very Choice. Embraces above and many others. Pkt. 15 cts.; 1/16oz. 30 cts.; ⅛oz. 50 cts.; ¼oz. 85 cts.

CYPRESS VINE

(Ipomœa quamoclit) ×=

Culture B. Soak seed over night, sow ½ inch deep. Hgt. about 10 ft.; sun.

3580 **Finest Mixed.** A beautiful annual climber, with fernlike foliage and graceful star-shaped flowers. Pkt. 10 cts.; ⅛oz. 15 cts.; ¼oz. 25 cts.; oz. 60 cts.

DIDISCUS

(Lavender Lace Flower) ×

Culture B. Sow seed ⅛ inch deep.

3644 **CÆRULEA.** This pretty annual blooms most profusely from July till November. The exquisite pale lavender blossoms are excellent for cutting. Plants grow about 18 inches high, and have as many as 50 flowers open at one time. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

Some Elegant Dianthus

Hardy Garden or Clove Pinks

Culture J. Sow seed ⅛ inch deep. Hgt. 1 foot; sun; blooms May to October. Fine for edging, cutting and rock-gardens.

3622 **Allwoodii.** ○ Very hardy, blooming from early spring until late fall. Flowers come in every color except yellow and a good per cent of them are double. Pkt. 25 cts.; 50 seeds 50 cents; 100 seeds 85 cents.

3623 **Allwoodii alpinus.** ○ New novelty. Grows 4 to 6 inches high, has both single and double flowers in beautiful mixed colors. Excellent for rock work. Pkt. 25 cts.; 50 seeds 60 cts.; 100 seeds $1.00.

3630 **DELTOIDES** (Maiden Pink.) ○ A beautiful little plant, with narrow leaves and quantities of small crimson flowers. Adapted to rockeries. Pkt. 10 cts.; 1/16oz. 25 cts.; ⅛oz. 40 cts.

Dianthus, Deltoides (Maiden Pinks)

3636 **LIVINGSTON'S MIXTURE OF HARDY GARDEN PINKS.** A magnificent strain of choice single and double hardy sorts; bright and brilliant colors. Contains every variety on this page and others not listed. Illustrated above. Pkt. 10 cts.; ⅛oz. 25 cts.; ¼oz. 40 cts.

3628 **Cæsius** (Cheddar Pink). ○ (*D. plumarius.*) Forms dense tufts of plants only a few inches high and has rosy pink, sweet-scented small flowers. Pkt. 10 cts.; ⅛oz. 30 cts.; ¼oz. 50 cts.

3634 **Single Large-flowering Grass or Spice Pinks, Mixed.** ○ Pkt. 10 cts.; ⅛oz. 20 cts.

3638 **Double Large-flowering Grass or Spice Pinks.** ○ (*D. plumarius semperflorens fl.-pl.*). Pkt. 15 cts.; 1/16oz. 25 cts.; ⅛oz. 40 cts.

Livingston's Select Delphinium

Delphinium

(Hardy Perennial Larkspur)

Culture J. Sow seed to depth four times their size. Hgt. 2 to 6 feet; persistent bloomer from June to August and thrives in sun or partial shade and driest seasons. Rich soil will produce larger and better blooms. Excellent for cutting and a fine hardy border plant. Blends well with oriental Poppies and Shasta Daisies.

3610 **New Giant-Flowering Hybrids** **MIXED.** Magnificent class producing splendid spikes, 2 to 5 feet in length, of immense semi-double and double flowers. The colors are most beautiful, ranging from pure white through all the shades of lavender and blue. Pkt. 15 cts.; 1/16oz. 25 cts.; 1/8oz. 40 cts.; 1/4oz. 75 cts.

3612 **BELLAMOSA.** A rich, dark blue form of the popular light blue Belladonna. Pkt. 20 cts.; 1/8oz. 50 cts.; 1/4oz. 85 cts.

3614 **BELLADONNA.** Light sky-blue flowers, with light centers; a very fine variety. Height, 4 feet. Pkt. 20 cts.; 1/8oz. 50 cts.; 1/4oz. 85 cts.

Wrexham (Hollyhock Strain) Delphinium

The greatest advance yet made in this splendid class

3616 Enormous spire-shaped spikes of bloom, beautiful in form. This strain has brought the Delphinium into the greatest popularity for bedding as well as for cutting. The mixture we offer contains all the colors peculiar to the Delphinium, and there are double and single blooms. Some of the blooms are of large size, fully 3 inches in diameter. Seed is foreign grown.

Pkt. 35 cts.; 1/16oz. 65 cts.; 1/8oz. $1.25

3618 **Cambridge Blue** **(Chinese Delphinium).** *New.* Its quality is expressed in its color, a brilliant light blue, far surpassing that shade in Belladonna. Treated as an annual it blooms from seed the first year if sown early. Height 2 to 3 feet. Pkt. 15 cts.; 1/16 oz. 25 cts.; 1/8 oz. 40 cts.; 1/4 oz. 75 cts.

ANNUAL DELPHINIUMS. See Larkspur, page 28

EDELWEISS ○

Culture J. Sow seed 1/8 inch deep. Hgt. 6 in.; blooms June and July; does best in dry, sunny location.

3672 **Large Flowered.** Flowers of downy texture, pure silvery white and star-shaped. Pkt. 25 cts.; 1/32oz. 50 cts.; 1/16oz. 95 cts.

ERIGERON

Culture J. Sow seed 1/8 inch deep. Hgt. 24 in.; blooms July to September.

3674 **Speciosus Grandiflorus.** Single Aster-like flowers of a rich lavender-purple with yellow center. Pkt. 20 cts.; 1/16oz. 35 cts.; 1/8oz. 65 cts.

FEVERFEW (Matricaria) ×

Culture B. Sow seed 1/16 inch deep. Hgt. about 12 in.; blooms June and July.

3690 **Capensis Fl. Pl.** Small, double white flowers. Adapted to bedding, pot culture and cutting. Pkt. 10 cts.; 1/8oz. 20 cts.; 1/4oz. 35 cts.

FORGET-ME-NOT. See Myosotis, page 30.

FOUR O'CLOCK. See Marvel of Peru, page 29.

GET RID OF ANTS with "ANT GAS." See page 16

The Beautiful California Poppies ×
(Eschscholtzia)

Culture C. Sow seed 1/16 inch deep. Hgt. 12 in.; sun or partial shade; blooms profusely from June to September even in poor soil. A free-flowering plant with silvery foliage. Fine for bedding, edging and cutting.

3677 **The Geisha.** Rich golden inside, orange crimson outside. Illustrated on page 6. Pkt. 10 cts.; 1/8 oz. 20 cts.; 1/4 oz. 35 cts.

3678 **Auriantiaca.** Fine deep golden yellow. Pkt. 10c; 1/8 oz. 20c; 1/4 oz. 35c.

3679 **Scarlet Beauty.** Vivid, deep scarlet. Pkt. 10c; 1/8 oz. 35c; 1/4 oz. 50c.

3680 **GOLDEN WEST.** Early and continuous bloomer. Magnificent flowers of gigantic size. Colors intense yellow and orange. Pkt. 10 cts.; 1/8 oz. 20 cts.; 1/4 oz. 30 cts.

3682 **Finest Double Mixed.** Pkt. 10c; 1/8 oz. 30c; 1/4 oz. 50c.

3684 **Finest Single Mixed.** Pkt. 10c; 1/8 oz. 20c; 1/4 oz. 30c.

3686 **Bush Eschscholtzia** **(Hunnemannia, Golden cup).** #○ Perennial; same culture as above; forms bushy shrub 2 feet high, producing large cup-shaped flowers of clear jonquil-yellow with vivid bright orange stamens. Pkt. 10 cts.; 1/8oz. 25 cts.; 1/4oz. 40 cts.

NEW SUNLIGHT HUNNEMANNIA, See page 4.

Vase arrangement of California Poppies

The Brilliant Gaillardias

(Blanket Flower)

× ANNUAL, Culture B # PERENNIAL, Culture J

Sow seed ⅛ inch deep. Hgt. about 2 ft. Both sorts bloom from June to frost. They are profuse bloomers and have brilliantly colored flowers. Wonderfully effective in beds, borders and as cut-flowers. Plant food (4-12-4) increases strength and bloom.

3710 **INDIAN CHIEF** ×. Its name suggests something unusual and it is that. Has dark brown center with glittering bronzy red petals. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

3702 **Finest Single Annual, Mixed.** Brilliant colors. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

3704 **FINEST DOUBLE ANNUAL, MIXED.** ***(G Lorenziana).*** A rich assortment; free blooming. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

3696 **Burgundy** #. Claimed to be the best red hardy Gaillardia. Color is a coppery-scarlet, more easily described as wine-red. Flowers are about 2½ inches across and mounted on long stems. Illustrated on page 6. Pkt. 15 cts.; 1/16oz. 30 cts.; ⅛oz. 50 cts.

3698 **The Dazzler.** # The best Gaillardia of the giant-flowering type. The large, dark red flower with its bright orange tips is very attractive. The new improved strain we are offering is very vigorous. Perennial. Grow the Dazzler this year. Pkt. 15 cts.; ⅛oz. 30 cts.; ¼oz. 50 cts.

3700 **Portola Hybrids.** # *New.* Flowers of very large size, with colors ranging through shades of bronzy red, and having petals tipped with gold. Striking. Pkt. 15 cts.; ⅛oz. 30 cts.; ¼oz. 50 cts.

3706 **GRANDIFLORA HYBRIDS, Finest Mixed.** # One of the most elegant perennials; is in continuous bloom from June until frost. Enormous red and yellow flowers. Pkt. 10c; ⅛oz. 20c; ¼oz. 35c.

The Dazzler Gaillardia

The Best of the Giant-flowering Types

GEUM, The Rose of the Rockery # ○

Culture J. Sow seed ⅛ inch deep. Belongs to Rose family. Hgt. 18 in.; sun or partial shade; blooms May and June. For borders and rock-gardens.

3716 **MRS. BRADSHAW.** A splendid variety with large, double, fiery red flowers. Pkt. 10 cts.; 1/16oz. 25 cts.; ⅛oz. 40 cts.

3718 **Lady Stratheden.** (Golden Ball.) A fine golden yellow flower of loose double formation. Pkt. 15 cts.; 1/16oz. 25 cts.; ⅛oz. 40 cts.

GERANIUMS ×

Culture G. Sow seed ⅛ inch deep. Hgt. 1 to 2 ft.; sun; long bloomer. Fine bedding or bordering plants. Also good for pots and hanging baskets.

3720 **Finest Mixed.** Pkt. 10 cts.; 1/16oz. 25 cts.; ⅛oz. 40 cts.

GLOBE AMARANTH ×

Culture B. Sow seed ⅛ inch deep. Hgt. 18 in.; sun.

3736 **Mixed.** Flowers resemble clover-heads. Fine for beds, borders and everlastings. Pkt. 10 cts.; ⅛oz. 15 cts.; ¼oz. 25 cts.

We Pay Transportation. See page 1.

Gypsophila (Baby's Breath)

GOURDS × =

Culture C. Sow seed to depth four times their size. Sun; blooms July from spring sown seed. Unique and ornamental foliage and fruits.

3750 **Gourd Mixture.** Pkt. 10 cts.; oz. 30 cts.; ¼lb. 90 cts.

Gypsophila (Baby's Breath)

× ANNUAL, Culture C # PERENNIAL, Culture J

Sow seed ⅛ inch deep. Hgt. 1 to 3 ft.; grows most any place; blooms from June on. Used for borders, cutting, rock-gardens and everlastings.

3758 **PACIFICA.** # Especially hardy. Forms dense bushes and attains height of 4 feet. Has rose-pink blossoms and flowers later than the Paniculata. Pkt. 10 cts.; 1/16oz. 35 cts.; ⅛oz. 60 cts.

3760 **Repens.** ○ # A beautiful trailing plant for the rockery. Has numerous small, white and pink flowers in July and August. Pkt. 10 cts.; 1/16oz. 20 cts.; ⅛oz. 35 cts.

3762 **Elegans alba grandiflora** (Paris Market). × This is an improved, large-flowering, pure white, annual Baby's Breath of free, easy growth. Pkt. 10 cts.; ¼oz. 20 cts.; oz. 45 cts.

3764 **Paniculata.** # An elegant hardy perennial. Its delicate little flowers are produced in feathery white panicles. Fine for everlastings. Pkt. 10 cts.; ⅛oz. 25 cts.; ¼oz. 40 cts.

3766 **Paniculata fl.-pl.** # Double. Pkt. 25c; 1/16oz. 35c; ⅛oz. 60c.

RED ARROW
INSECT SPRAY
(PYRETHRUM DERRIS SOAP)

Effective and safe spray for flowers and vegetables. Destroys both chewing and sucking insects, including Red Spider, Mexican Bean Beetles. Simply mix with water and spray. Oz. 40 cts.; ¼ pt. $1.10; ½ pt. $1.85 Postpaid.

Helichrysum, Monstrosum

KENILWORTH IVY # ○

Culture J. Sow seed 1/16 in. deep. Trailing; adapted to shade.

3840 **Linaria Cymbalaria.** Lovely little lavender and purple flowers and exquisite foliage. A trailer for vases, hanging baskets and rockeries. Pkt. 10 cts.; 1/16oz. 25 cts.

KOCHIA ×

Summer Cypress or Burning Bush

Culture B. Sow seed 1/16 in. deep. Hgt. 3 ft.; sun.

3844 **Childsi.** Globe-shaped bushes with pea-green slender leaves until September when they turn blood-red and are tipped with small scarlet flowers. Grows quickly. Pkt. 10 cts.; 1/4oz. 25 cts.

KUDZU VINE # =

Culture C. Soak seed overnight, sow 1/2 in. deep.

3848 **Pueraria Thunbergiana.** Japanese origin. Reaches 8 to 10 feet the first year and attains height of 50 feet. Unequaled for porches, arbors and trellises. Pkt. 10 cts.; 1/8oz. 20 cts.

Mrs. C. P. Breedlove, Braggs, Oklahoma, writes: *"I have been greatly pleased with all the seed I have ordered from you and especially so with the mixed hollyhocks."*

Above
Helianthemum
Low growing, profuse blooms

Right
Hibiscus
Fine herbaceous plant

Left
Heuchera (Coralbells)
Bright red for rock work

Helichrysum ×

(Everlasting Straw Flower)

Culture B. Sow seed 1/8 inch deep.

MONSTROSUM FL.-PL. Succeeds in any good garden soil, prefers sun. The large, double flowers of rich, glittering colors in August and September make fine display in beds and borders, but are especially grown to dry for winter use inside. For this, they should be cut when flowers are about one-third open and with as long stems as possible; foliage removed; tied in bunches and hung up with heads downward in some dry place until stems are thoroughly dry. Hgt. of plant 2 to 3 ft. We offer these choice colors and our special mixture.

3780 **Golden Globe**	3792 **Salmon**
3788 **Crimson**	3794 **Violet**
3790 **Rose-Carmine Shades**	3798 **Scarlet**
	3800 **White**

Any one above: pkt. 10 cts.; 1/8oz. 20 cts.; 1/4oz. 35 cts.

COLLECTION: One pkt. of each above, value 70 cts..... 50c

3802 **Mixed.** A mixture of the above and other colors. Pkt. 10 cts.; 1/8oz. 20 cts.; 1/4oz. 30 cts.; oz. 75 cts.

The Fragrant Heliotrope ×

Culture G. Sow seed 1/8 inch deep. Hgt. 18 to 24 inches; prefers sun; blooms July to October from spring sown seed. Has delicious fragrance. Fine for bedding, pots and bouquets.

3776 **All Sorts Mixed.** In best assortment; all shades, both light and dark. A very desirable strain. Pkt. 10 cts.; 1/8oz. 25 cts.; 1/4oz. 45 cts.

3774 **LEMOINE'S GIANT HYBRIDS.** Grand flowers, double the size of the older sorts. Bushes compact, heads of mammoth blossoms often measure a foot across. Deliciously fragrant. Produces flowering plants by July, which continue in flower until frost. Mixed, including Purple, White, Lavender, and Blue. Plant, 18 inches high. Pkt. 10 cts.; 1/16oz. 20 cts.; 1/8oz. 35 cts.

David B. Downie, Jefferson County, New York, writes: *"The Dwarf Giants of California Petunia were grand. The plants were very dwarf, the blossoms so beautiful. I have been dealing with you for over 20 years, the seeds I have always found just as you have described them, with a very high germination."*

HELIANTHEMUM (Rock Rose) # ○

Culture J. Sow seed to depth four times their size. Hgt. 8 to 12 in.; sun; blooms June to August.

3770 **Mutable.** Forms large clumps with rose, lilac, white and yellow flowers with silk-like petals. For bedding and rock-gardens. Pkt. 10 cts.; 1/8oz. 20 cts.; 1/4oz. 35 cts.

HEUCHERA (Coralbells) # ○

Culture J. Sow seed 1/16 in. deep. Hgt. 18 in.; sun or partial shade; blooms July and August.

3806 **Sanguinea.** Low growing foliage from which shoots spikes with bright red small flowers. Fine for cutting and rock-gardens. Pkt. 10 cts.; 1/32oz. 50 cts.; 1/16oz. 90 cts.

HIBISCUS (Marshmallow)

Culture J. Sow seed 1/8 inch deep. Hgt. 4 to 5 ft.; prefers moist, partially shaded location; blooms July to October. Especially adapted to background and border planting.

3966 **Mallow Marvels.** A robust type of upright habit, producing an abundance of flowers of enormous size in all the richest shades of crimson, pink, and white. **Mixed Colors,** pkt. 10 cts.; 1/8oz. 15 cts.; 1/4oz. 25 cts.

Excelsior Weeder

Very useful for weeding seed-beds, stirring soil in hot-beds, cold-frames, etc.

25c postpaid

The Best Hollyhocks

×ANNUAL, Culture A #PERENNIAL, Culture K

Sow seed to depth four times their size. Hgt. 5 to 8 ft.; requires rich soil and sunny location but withstands drought; blooms in July. Once established they bloom stronger and better every year.

3808 **Double Triumph.** # A new variety of branching habit. Fine waved and fringed flowers on all stems. Entirely new range of colors. Pkt. 15 cts.; ⅛oz. 30 cts.; ¼oz. 50 cts.

LIVINGSTON'S PRIZE HOLLYHOCKS.# The largest flowering and most perfectly double Hollyhocks we have been able to procure after many years of selection of only the best varieties. The colors are rich and brilliant, the plants free from disease.

3810 **Double Black**
3812 **Double Lemon-Yellow**
3814 **Double White**
3816 **Double Rose-Pink**
3818 **Double Crimson**
3820 **Double Scarlet**
3822 **Double Salmon**

Each color, pkt. 10 cts.; ⅛oz. 25 cts.; ¼oz. 35 cts.

LIVINGSTON'S PRIZE MIXTURE

3824 Our best perennial mixture. Composed exclusively of finest double-flowering varieties. Contains above colors and innumerable other shades.

Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 30 cts.

3826 **Mammoth Allegheny.#** Large flowers in colors from the palest pinks to the deepest reds. Lovely fringed and transparent petals. Contains single, semi-double and double kinds. Blooms from July to frost. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 30 cts.

3828 **Mixed Annual Everblooming.×** Glorious new hybrids which can be treated the same as annuals and will bloom the same year from seed. Started inside, they will bloom in July. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 30 cts.

Livingston's Prize Hollyhocks

Below, Liatris

LIATRIS
(Kansas Gay Feather)#

Culture J. Sow seed ⅛ inch deep. Hgt. 4 to 5 ft.

3888 **Scariosa.** A rare North American Species. Blooms from the top downward, the reverse of all other spikes. Flowers are rosy-purple. (See illustration at left.) Pkt. 10 cts.; 1/16oz. 30 cts.; ⅛oz. 50 cts.

LANTANA×

Culture G. Sow seed ⅛ in. deep. Hgt. 1½ ft.

3852 **Mixed.** Popular, free-blooming, and very rapid growing plants with flower-heads of various colors, which are continually changing; emit a powerful aromatic perfume; plants are completely loaded with blossoms, succeeded by berries which, when ripe, turn deep blue. For summer bedding and inside winter-blooming. Pkt. 10 cts.; ⅛oz. 15 cts.; ¼oz. 25 cts.

A pleasing combination of Lantana, Petunia, and Geranium.

The Airy Linum (Flax)#○

Culture J. Sow seed ⅛ inch deep. Hgt. 18 to 24 in.; blooms from May to September; sun or partial shade. Makes fine shady border with Shasta Daisies.

3896 **Perenne Blue.** Dainty sky-blue flowers on graceful arching stems. Blooms profusely and continuously. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

3898 **Flavum.** Same as above blue in habit but produces masses of golden-yellow flowers. Makes very showy rock-plant. Pkt. 10 cts.; 1/16oz. 20 cts.; ⅛oz. 35 cts.

LAVENDER#

Culture J. Sow seed ⅛ inch deep. Hgt. 3 ft.; blooms July to September.

3886 **Lavandula vera.** True Lavender. Very sweet-scented flowers. Pkt. 10c.; ⅛oz. 20c.

LYCHNIS#○

Culture J. Sow seed ⅛ in. deep. Hgt. 2 ft.; sun. Good flower-box plant.

3930 **Mixed Hybrids.** Compact, bushy plants with flowers from pure white to deepest red. Blooms first year if sown early. Pkt. 10 cts.; 1/16oz. 20 cts.; ⅛oz. 30 cts.

3932 **Viscaria Splendens.** Makes large clumps of almost evergreen foliage with deep red flowers. Pkt. 10c.; ⅛oz. 15c.; ¼oz. 25c.

Spray with RED ARROW. See page 25

New Giant Imperial Base-Branching Larkspurs. You'll enjoy growing these.

Livingston's Newer

(Annual Delphinium)

Culture D. Sow seed 1/8 inch deep. A much improved old-fashioned flower. Thrives in almost any soil, in sun or partial shade. Blooms July to September from spring sown seed; hgt. 2 to 3 ft.

Light and dark blue Larkspurs with orange and lemon Marigolds make a fine cut-flower combination. Larkspurs with Viola cornuta combine well in the shady border even in hot late summer.

New Giant Imperial Larkspurs

These new upright base branching Larkspurs with long (about 2 feet) straight upright flower spikes are much superior to all others for cut-flowers. (See illustration at left.) Here is a real improvement and you should enjoy it this year. Offered in colors and mixture.

3873 **Blue Spire** — 3877 **Carmine King**
3874 **Lilac Spire** — 3879 **Miss California, Pink**
3875 **White Spire** — 3881 **All Colors, Mixed**

Pkt. 15 cts.; 1/8oz. 30 cts.; 1/4oz. 50 cts.; oz. $1.50

For Perennial Larkspur, see Delphinium, page 24

LOBELIA ×

Culture G. Sow seed on surface and merely cover. Profuse bloom from July to October. Hgt. 6 in.; partial shade preferred; fine for bordering, hanging baskets, and window boxes; good rock-garden annual.

3900 **Crystal Palace Compacta.** Best dark blue sort for edgings and carpet bedding. Pkt. 10c; 1/8oz. 35c; 1/4oz. 60c.

3902 **Gracilis.** Fine for hanging-baskets, vases, and window-boxes. Light blue; a trailing variety. Pkt. 10c; 1/8oz. 20c.

3904 **Mixed Compacta Sorts.** A fine mixture of best varieties. Pkt. 10 cts.; 1/16oz. 20 cts.; 1/8oz. 35 cts.

LIVINGSTON'S GLADIOLUS BULBS

Choice varieties and many money savings collections. See page 3.

Marigolds

The Large

Culture B. Sow seed 1/8 inch deep. Large flowering sorts of orange and lemon shades. Hgt. 2 to 3 ft.; prefers sun; blooms July to October from spring sown seed. Fine for beds, borders and cutting.

3935 **Guinea Gold. Gold Medal Winner, All-American Selections, 1933.** A brilliant orange flushed with gold. 100% semi-double and double, ruffled, with loose placed petals. Pyramidal habit of growth, 2 to 2½ feet tall. More fully described and illustrated on page 5. Pkt. 15 cts.; 1/16oz. 25 cts.; 1/8oz. 40 cts.; 1/4oz. 75 cts.

3936 **NEW ORANGE, ALLDOUBLE MARIGOLD.** A new development in Marigolds. So called because such a large per cent come double. A beautiful large flower. We are pleased to offer this African strain and are sure you will be enthusiastic about it. Pkt. 15 cts.; 1/8oz. 25 cts.; 1/4oz. 40 cts.

3940 **LEMON BALL.** Extra-large, round, double canary-yellow flowers. Pkt. 10 cts.; 1/8oz. 20 cts.; 1/4oz. 30 cts.; oz. 75 cts.

3942 **ORANGE BALL.** Enormous, double, intense rich orange flowers. Pkt. 10 cts.; 1/8oz. 20 cts.; 1/4oz. 30 cts.

3944 **Mammoth Tall, Mixed.** Height, 3 feet. Pkt. 10 cts.; 1/8oz. 20 cts.; 1/4oz. 30 cts.; oz. 60 cts.

3946 **Mammoth Dwarf, Mixed.** Height, 1½ feet. Pkt. 10 cts.; 1/8oz. 20 cts.; 1/4oz. 30 cts.; oz. 60 cts.

Hardy Lilies From Seed

3890 **REGALE.** This Lily is absolutely hardy, and is excellent for forcing. It has been predicted that it will become the Easter Lily of the future. The flowers are white, slightly suffused with pink, with a beautiful shade of canary-yellow at the center, and extending part way up the trumpet. It is delightfully perfumed, reminding one of the jasmine, and lacking the heavy oppressive odor of most Lilies. Blooms outdoors early in July, and seedling bulbs will flower the second year. The seeds can be sown inside during spring months or in flats in the green house at any time, giving the same treatment as tomato seed, and lined outside in rows about 4 inches apart as soon as weather permits. These will do well in any soil with good drainage and will give you a blooming size bulb the second year. It will be necessary to lift the bulbs grown from seed the first year, just after the first killing frost in the fall, and plant them back immediately in order to get them 4 to 6 inches deep. Pkt. 15c.; 1/8oz. 25c.; 1/4oz. 45c.

Delightfully Perfumed Regale Lilies

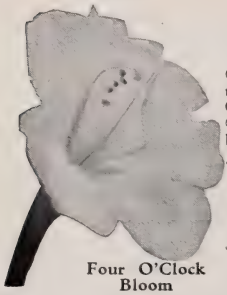
and Better Larkspurs

Stock-Flowered Larkspurs

3872 **EMPRESS ROSE.** *New.* Tallest and best of all salmon-pink shades. It is of the double, branching, stock-flowered type. Very promising. Pkt. 10 cts.; ⅛oz. 25 cts.; ¼oz. 40 cts.

3860 **LA FRANCE.** A pleasing salmon-pink and, without question, the most striking in color of all the Tall Stock-flowered Larkspurs. It is more resistant to mildew and much more vigorous and tall growing than the class. The large, well-formed double flowers are well placed on long stems and present a beautiful appearance. Pkt. 15 cts.; ⅛oz. 25 cts.; ¼oz. 40 cts.

		Pkt.	⅛oz.
3862 **Tall Stock-flowered.**	White	$0 10	$0 20
3864 **Tall Stock-flowered.**	Shell-pink	10	20
3866 **Tall Stock-flowered.**	Bright rose	10	20
3868 **Tall Stock-flowered.**	Dark blue	10	20
3870 **TALL STOCK-FLOWERED. All Colors Mixed**		10	20


Four O'Clock Bloom

MARVEL of PERU ×

Four O'Clock or Mirabilis

Culture B. Sow seed to depth four times their size. Hgt. 2 ft.; sun; blooms July to October and endures poor soil and drought. Covered with large, showy, very fragrant blooms.

3970 **Variegated.** These flowers in many colors, contrast finely with the golden-hued foliage. Pkt. 10 cts.; ¼oz. 15 cts.

3972 **Finest Mixed.** Pkt. 10 cts.; oz. 25 cts.; ¼lb. 60 cts.

Grow Some Graceful LUPINUS

ANNUAL. Culture B. Soak seed overnight, sow ½ in. deep. Prefers partial shade. Graceful spikes of pea-shaped flowers.

3916 **Hartwegi, Mixed.** Pkt. 10 cts.; ¼oz. 25 cts.; oz. 60 cts.

3918 **HARTWEGI GIANTS, Mixed.** *New.* A remarkable improvement; received award of merit, 1933. 3 to 4 feet tall; branches freely from the base, producing 4 to 6 extremely long, erect spikes having many more blossoms than the old type. Pkt. 15 cts.; ⅛oz. 25 cts.; ¼oz. 40 cts.

Polyphyllus

PERENNIAL. Culture J. Soak seed overnight, sow ½ in. deep. Hgt. 3 ft. Blooms May and June.

	Pkt.	¼oz.
3920 **White**	$0 10	$0 25
3922 **Blue**	10	25
3924 **Rose**	10	30
3926 **Mixed**	10	25

Lupine

MIGNONETTE (Reseda) ×

Culture C. Sow seed ⅛ inch deep. Grows 12 to 15 inches high; prefers sun or partial shade; blooms July to October from spring sown seed; large, deliciously fragrant blooms. Used for bedding, potting and cutting. For best results pinch out top when about 2 inches high.

3984 **Odorata.** Pkt. 10 cts.; ⅛oz. 20c.; ¼oz. 30 cts.

3986 **Finest Mixed.** Pkt. 10c; ⅛oz. 20c; ¼oz. 30c.

Deserve a Place in Your Garden

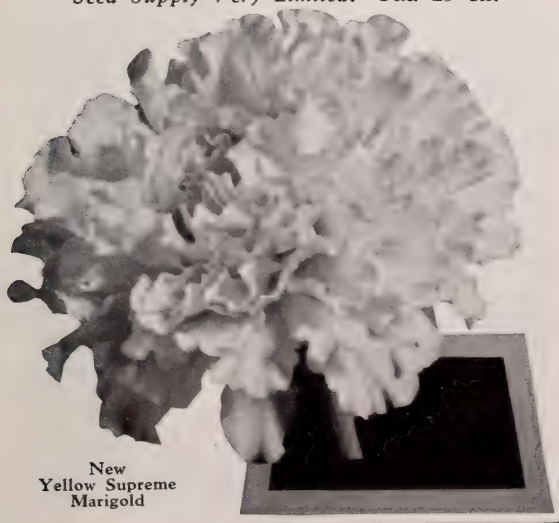
African Marigolds

Livingston's New Full "Carnation-Flowered" MARIGOLD "YELLOW SUPREME"

Our New and Exclusive Introduction

3934 This New Marigold is the result of several years of careful breeding at our flower trial grounds. It is similar to "Guinea Gold" but of a pure lemon-yellow color, fully Carnation-flowered, nearly 3 inches across, quite early and very profuse. For complete description and colored illustration see front cover.

***Seed Supply Very Limited.* Pkt. 25 cts.**


New Yellow Supreme Marigold

French Marigolds

The small, velvety flowering sorts in pretty combinations of yellow, brown, maroon and striped effects. Hgt. 1 to 2½ ft.; prefers sun; blooms July on from spring sown seed. Fine for bedding, edging, cutting and pot plants.

3948 **LEGION OF HONOR (Little Brownie).** Handsome single variety, covered with a multitude of flowers. In color it is a velvety golden yellow blotched with purple. Height, 1 ft. Pkt. 10c; ¼oz. 30c; oz. 60c.

Little Brownie Marigolds

3950 **Tall Double, Mixed.** A splendid assortment of all the best colors in striking combinations. Height 2½ ft. Pkt. 10c; ¼oz. 30c; oz. 60c.

3952 **DWARF DOUBLE, MIXED.** Mixture similar to No. 3946 in colors, but the plants grow more dwarf. Height, 1 foot. Pkt. 10 cts.; ¼oz. 30 cts.; oz. 60 cts.

The Lovable Tagetes for Edging

3958 **TAGETES, SIGNATA PUMILA. (Golden Border)** A dwarf Marigold, 6 to 8 inches high; literally covered with small twinkling yellow flowers, having a brown stripe down the center of each petal. Splendid for edging beds. Pkt. 10 cts.; ⅛oz. 30 cts.; ¼oz. 50 cts.

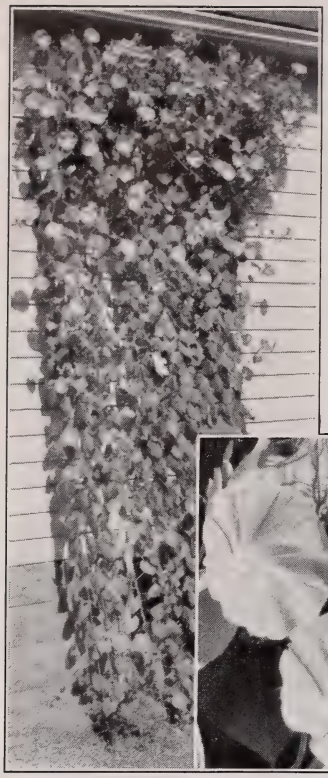
Morning Glories

Culture B. Soak seed overnight, sow ½ inch deep. Prefers sun; blooms August to frost from spring sown seed. Blooms best when grown on poor soil. Fine for trellises and screening.

3999 **New Double Rose Marie.** A lovely new, double pink, early, free-flowering variety. The flowers are a beautiful shade of deep rose of double and semi-double form. Should become as popular as the new Heavenly Blue. Pkt. 15 cts.; ⅛oz. 25 cts.; ¼oz. 45 cts.

4001 **Heavenly Blue.** A new variety that is bringing new and deserved popularity to this flower. An early blooming climber, literally covered with lovely flowers of sky-blue, shading lighter toward center. Flowers measure 3½ inches across. Blooms all summer. Pkt. 15 cts.; ¼oz. 30 cts.; oz. 75 cts.

4002 **GIANT IMPERIAL JAPANESE.** Magnificent in size and bloom—4 to 6 inches across. Great variety of rich and delicate colors, tints and markings. Pkt. 10 cts.; oz. 30 cts.; ¼lb. 85 cts.



"Heavenly Blue" being used for screening.

4000 **Convolvulus major.** These are the old-fashioned favorites that everybody loves. Grows quickly and clings to anything. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 45 cts.

4004 **Finest Mixed Japanese.** Greatest variety of colors and shades. Pkt. 10 cts.; oz. 30 cts.

MYOSOTIS (Forget-me-not)

Culture F. Sow seed 1/16 inch deep. Hgt. 6 to 10 in. Does best in moist, shady location. Blooms first year from early sown seed and thereafter from April to June. For edging and rock gardens.

4020 **Palustris.** ○# (True Forget-me-not). Beautiful blue. Hgt. 6 inches. Pkt. 10 cts.; 1/16oz. 20 cts.; ⅛oz. 35 cts.

4022 **Alpestris.**+ Blue. Pkt. 10c; 1/16oz. 15c; ⅛oz. 25c.

4026 **Alpestris rosea.**+ Pink. Pkt. 10c; 1/16oz. 15c; ⅛oz. 25c.

4024 **Semperflorens.** ○# Dwarf Forget-me-not; beautiful blue flowers. Pkt. 10 cts.; 1/16oz. 20 cts.; ⅛oz. 35 cts.

4032 **Blue Bouquet.**+ Pkt. 25c.; 1/16oz. 35c.; ⅛oz. 65c.

4033 **Indigo Blue Bouquet.**+ Pkt. 25c; 1/16oz. 40c; ⅛oz. 75c.

4034 **Pink Bouquet.**+ Pkt. 25 cts.; 1/16oz. 50 cts.; ⅛oz. 90 cts.

4030 **Finest Mixed.** Pkt. 10 cts.; 1/16oz. 15 cts.; ⅛oz. 25 cts.

MINA LOBATA ×=

Culture B. Sow seed ½ inch deep. Half-hardy climber.

3990 **Flag of Spain.** An attractive free-flowering climbing annual. Climbs about 10 feet, producing vivid red buds opening to scarlet and orange flowers. Pkt. 10 cts.; ⅛oz. 30 cts.; ¼oz. 50 cts.

NICOTIANA (Sweet-scented Tobacco) ×

Culture B. Sow seed 1/16 inch deep. Hgt. 2 ft.; sun or partial shade; blooms July to frost. Very fragrant.

5000 **Affinis.** Pure white. Pkt. 10c; ⅛oz. 20c; ¼oz. 35c.

5002 **Sanderæ.** Laden with hundreds of handsome carmine-red, fragrant blossoms. Pkt. 10 cts.; ⅛oz. 25 cts.; ¼oz. 40 cts.

NIGELLA (Love-in-a-Mist) ×

Culture D. Sow seed ⅛ inch deep. Hgt. 18 in.; sun or partial shade; blooms July to frost from spring sown seed. Curious flowers and seed-pods.

5006 **Mixed.** Pkt. 10 cts.; ⅛oz. 15 cts.; ¼oz. 25 cts.

Moonflowers ×=

(Ipomœa noctiflora)

Culture B. Cut off small end of seed, soak and sow 1 inch deep. Climbing; prefers sun; blooms September to frost from spring sown seed. Ideal for trellises, arbors, etc.

4012 **NORTHERN LIGHT.** The earliest blooming of all the Moonflowers. Its lovely pink flowers are produced by the thousands all summer and fall. Pkt. 10 cts.; ¼oz. 20 cts.; oz. 35 cts.; ¼lb. 90 cts.

4014 **WHITE SEEDED.** Large in flower, firm in texture, and very fragrant. It bears in graceful profusion its immense, lovely, white flowers, 5 to 6 inches in diameter, with a five-pointed star in the center. Pkt. 10 cts.; ¼oz. 25 cts.; oz. 40 cts.

4016 **Cross-Bred or Hybrid.** A variety of great value for the North, as it is in bloom a month earlier than the above. Flowers are pure white. Height, 20 to 40 feet. Pkt. 10 cts.; ¼oz. 25 cts.; oz. 40 cts.

Rock Garden Collection No. 2

3108 **Arabis,** Alpina
3376 **Calamintha,** Alpina.
3512 **Cheiranthus,** Allioni
3568 **Crucianella,** Stylosa
6079 **Ranunculus,** Asiaticus
6112 **Saponaria,** Ocymoides

VALUE 95 CTS.—COLLECTION 75 CTS., PPD.

Nasturtiums, A Specialty With Us

Dwarf Varieties

Culture C. Sow seed to depth four times their size. Succeeds in any ordinary soil and partial sun; blooms in early summer from spring sown seed and continues until frost. Excellent for bedding in nooks and corners, for borders, porch-boxes, rock-gardens and cutting.

SEPARATE COLORS

4070 **Rose.** Beautiful deep rose color.
4072 **Beauty.** Yellow and scarlet.
4074 **Aurora.** Primrose to pale pink.
4076 **Pearl.** Amber-white.
4078 **Prince Henry.** Pale yellow, spotted carmine.
4080 **Regelianum.** Purplish-crimson.
4082 **Ruby King.** Bluish-rose.

Above separate colors: Pkt. 5 cts.; oz. 20 cts.; ¼lb. 50 cts.; lb. $1.

Our Sunburst Collection

One packet of each above separate colors.

Price Postpaid to any address at this low price..... **25 cts.**

FIVE COLLECTIONS FOR $1

4084 **CHOICE DWARF, MIXED.** Pkt. 5 cts.; oz. 20 cts.; ¼lb. 40 cts.; lb. 90 cts.

4086 **DWARF QUEEN, MIXED.** Tom Thumb varieties of the marble-leaved Queen sorts. Many colors and new hybrids. Pkt. 5 cts.; oz. 25 cts.; ¼lb. 60 cts.

4088 **QUEEN OF HOLLAND, MIXED, (Lilliput Hybrids).** Dainty type of dwarf growth; about 6 inches. The flowers are produced in many brilliant shades and color combinations. Pkt. 10 cts.; oz. 25 cts.; ¼lb. 60 cts.

4090 Livingston's Glory of the Garden Mixture
This is our best mixture of the dwarf varieties. It is composed exclusively of the most elegant large-flowered sorts, and the brilliantly colored flowers range through every shade and tint known.

Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.; lb. $1.50

Golden Gleam Nasturtium

New Sweet-Scented GOLDEN GLEAM

All-American Gold Medal Winner—1933

4100 Greatest sensation of recent introductions. Vigorous, bushy plant, 18 inches high with flowers that cover it entirely with a blaze of golden-yellow. They come semi-double, are borne on long, stiff stems and are very fragrant. Illustrated in color and further described on inside front cover.

Pkt. 10 cts.; ½oz. 30 cts.; oz. 50 cts.; ¼lb. $1.50

Tall Varieties for Background and Trellis Decoration

Culture C. Sow seed to depth four times their size. Hgt. 3 to 6 ft.; sun or partial shade and any ordinary soil.

4054 **TALL MIXED NASTURTIUMS.** There is no flower of which you need seed in larger quantities for liberal planting than Tall or Climbing Nasturtiums. For the low price, this mixture is very choice. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. 90 cts.

4056 **MADAM GUNTHER, MIXED HYBRIDS.** These are of French origin and for rich and striking colors are not surpassed by any climbing Nasturtiums. Pkt. 5 cts.; oz. 20 cts.; ¼lb. 50 cts.; lb. $1.

Rock Garden Collection No. 1

3034 **Alyssum saxatile**	3806 **Heuchera sanguinea**
3102 **Aquilegia, Caerula**	3896 **Linum perenne**
3110 **Arenaria, montana**	6065 **Primula vulgaris**
3414 **Candytuft, gibraltarica**	6156 **Saxifraga,** Mixed
3628 **Dianthus** (Cheddar Pink)	6310 **Tunica saxifraga**
3760 **Gypsophila repens**	6331 **Veronica prostrata**

ABOVE SUGGESTED LIST, VALUE $1.50 SENT FOR $1 POSTPAID

Hammond's Grape and Rose Dust

A sulphur dust preparation that controls fungus diseases; Black Spot on Roses, Mildews and Rusts on flowers and Grapes. Never unsightly; easy to use.

1 lb., sifter top, can 45c
5 lb. can $1.65 } **Postpaid**

Giant-Flowering Varieties

4040 **Giant Golden Yellow.** Mammoth flowers.
4042 **Giant Rose.** A soft rosy-pink color.
4044 **Giant Cream and Pink.** Very dainty.
4046 **Giant Lemon and Rose.** Pleasing combination.
4048 **Giant Deep Crimson.** Deepest dark reds.
4050 **Giant Striped Hybrids.** Shades and tints.
4052 **Giant Brilliant Scarlet.** A flaming beauty.

Any one above: Pkt. 5 cts.; oz. 20 cts.; ¼lb. 45 cts.

Perfection Collection Giant-Flowering Nasturtiums

One of our most astonishing collection offers

7 Packets as listed above Postpaid to any address **25 cts.**

FIVE COLLECTIONS FOR $1.00

4060 Livingston's Top-Notch Mixture Giant-Flowering Nasturtiums

A wonderful diversity of colors and new striking combinations, containing shades of yellow, rose, scarlet, orange, lemon, bronze, maroon, ruby, cream and pink, both in solid colors and mottled and striped in many showy and exquisite ways.

Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.; lb. $1.35

Livingston's Mammoth Pansies ×

Swiss Giant Pansy in Natural Size

From the Best European Specialists.

Culture F. Sow seed 1/8 inch deep. Hgt. about 6 ins. They thrive best in a rich soil and cool, moist, partially shaded location. Seed sown outside after frost will bloom in fall. For earlier blooms start inside and for extra early bloom start in the fall and carry over in a cold frame. Our strains are imported direct by us from the most noted foreign Pansy Specialists and should give you unbounded satisfaction.

Prices by ounce or larger quantities will be quoted upon application. Leaflet on the culture of Pansies free to customers

5020 Swiss Giants, Mixed.

Swiss Giants are of recent introduction, coming direct from Switzerland. This mammoth New strain, often measuring 3½ inches across, is composed of well-rounded, perfectly shaped flowers, thick velvety petals, with a multitude of harmonious and enchanting shades, colorings and markings. It includes the richest reds, coppers, bronzes, and yellows, together with the delicate rose-pinks and those beautiful light blues so much desired in Pansies. One of the outstanding features of this wonderful strain is that the long, stiff stems hold the flowers well above the foliage; and the fact that the blooms retain their size almost throughout the season makes it most valuable as a cut-flower as well as for bedding.

Pkt. 35 cts.; 1/16 oz. 85 cts.; 1/8oz. $1.50.

Roggli's Swiss Hybrids

New hybrids developed from Swiss Giants by a Pansy Specialist in Switzerland. Creating quite a sensation among Pansy growers and much in demand for florists' use. The plants are robust; the flowers are very large, of heavy texture and borne on long, strong stems. The two varieties we offer are the cream of these hybrids and the seed is imported by us direct from Switzerland.

5018 **ALPENGLOW.** Striking and attractive shades of cardinal and garnet red. Pkt. 35 cts.; 1/16oz. $1.

5019 **LAKE OF THUN (Ullswater).** A rich ultramarine blue with darker blue-black center. Pkt. 35 cts.; 1/16oz. $1.

5012 Livingston's Giant Trimardeau Mixture.

These are among the largest flowered of all Pansies. This splendid mixture is a blended combination of Giant-flowering types. A most showy class of robust and very compact growth. Contains all colors and produces large blooms, carried well above the foliage, on long stems. Pkt. 10 cts.; 1/8oz. 40 cts.; 1/4oz. 75 cts.

5022 **GIANT RUFFLED MASTERPIECE.** Petals are curled and undulated, giving the flower a globular appearance. Large blooms, beautifully blotched. Pkt. 15 cts.; 1/16oz. 35 cts.; 1/8oz. 60 cts.

5024 **LIVINGSTON'S SPECIAL FLORIST'S MIXTURE.** Carefully prepared to meet the florist's need. Contains only our finest large-flowering sorts in the light and dainty shades. Mammoth in size, exquisite in coloring, and perfect in form. Pkt. 15 cts.; 1/16oz. 40 cts.; 1/8oz. 75 cts.

5010 **LIVINGSTON'S EXTRA-FANCY MIXTURE.** In this magnificent mixture of mammoth-flowering Pansies the blossoms are borne on long stems and are distinguished for their gorgeous and varied colorings and beautiful markings. They are of fine substance, velvety texture, perfect form, and giant size, frequently measuring 3 inches in diameter. The best, most handsome and most perfect giant-flowering varieties. Pkt. 25 cts.; 1/16oz. 75 cts.; 1/8oz. $1.25.

5040 **Bedding Pansies.** Valuable for bedding where size is not of most importance. Pkt. 10 cts.; 1/16oz. 20 cts.; 1/8oz. 30 cts.

DOG AWAY

50 cts. Postpaid

Keeps dogs, cats and animals away from trees, evergreens, roses, shrubbery, etc. Tube releases vapor offensive to animals but not noticeable to humans. One tube lasts a year.

Giant Pansies in Separate Colors

Especially desirable for bedding where large flowers are preferred in working out particular color schemes.

5026 **Giant Red** 5028 **Giant White** 5030 **Giant Blue**
5032 **Giant Black** 5034 **Giant Yellow** 5036 **Giant Purple**

Any one above: Pkt. 10 cts.; 1/16oz. 30 cts.; 1/8oz. 50 cts.

GIANT SIX PANSY COLLECTION—One pkt. each **50 cts.**

Specimen from Extra-Fancy Mixture

Annual Rock Garden Collection

3018 **Ageratum,** Mixed
3032 **Alyssum,** Little Gem
3682 **Eschscholtzia,** Mixed
6052 **Portulaca,** Mixed
6110 **Sanvitalia,** Procumbens
6000 **Phlox,** Mixed

VALUE 65 CTS.—COLLECTION 50 CTS., POSTPAID

Finest Strains of Petunias ×

Direct from Foremost Sources

Culture A. Sow seed on surface and merely cover. Easy to grow, withstands drought and succeeds most anywhere. They will give constant bloom from June until October. Sow seed in the open ground or start inside if earlier bloom is desired. Nothing surpasses them for bedding, bordering and cutting. They also make fine house and porch-box plants.

Large-Flowering Double Petunias

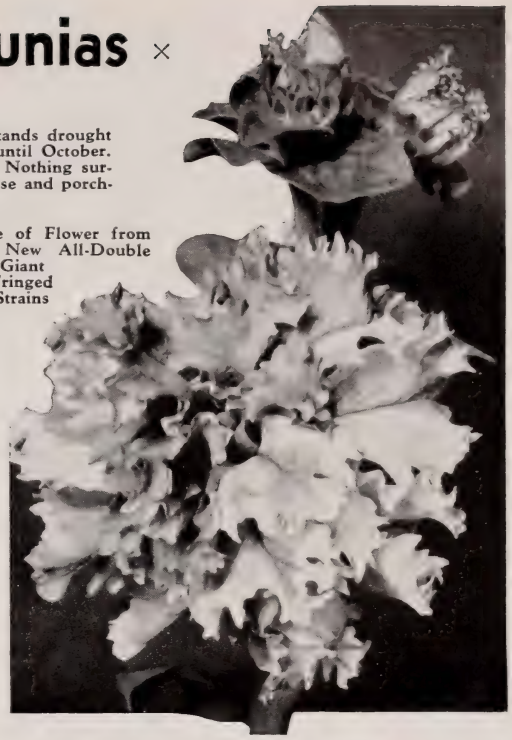
These are best started indoors and transplanted. Give the small, weak plants great care; they make the finest blooms.

Our New All-Double Tall Giant Fringed

5067 **MIXED.** An unapproached improvement in Petunias. 100% true double with 75% giant double and remainder medium sized "Carnation Flowered." The flowers are exquisitely fringed and ruffled and contain a good range of brilliant and suffused colors. Received more favorable comment than any flower we offered last year. Pkt. (150 seeds) 50 cts.

Our New All-Double Dwarf Giant Fringed

5063 **MIXED.** The acme of all Petunias. Due to its dwarf habit, it even surpasses our New Tall All Double Strain (listed above) which was a sensation in 1933. The flowers are identical but the dwarf nature of this one will unmistakably give it added popularity. Illustrated in color on inside front cover. Pkt. (100 seeds) 50 cts.



Type of Flower from our New All-Double Giant Fringed Strains

Large-Flowering Single Petunias

5052 **Theodosia.** The all-purpose ruffled Petunia. Color is a rosy pink, with a golden throat which contains minute stripes. Pkt. (200 seeds) 25 cts.

5053 **Elk's Pride.** The largest, darkest and best velvety purple. Pkt. (200 seeds) 20 cts.

5056 **DWARF GIANTS OF CALIFORNIA.** Dwarf, sturdy type. Beautifully ruffled and fringed, with open, well-marked throats. Pkt. (200 seeds) 20 cts.

5058 **GIANTS OF CALIFORNIA.** These are of great beauty, including fringed and deep-throated sorts in endless variety of colors. Pkt. (200 seeds) 15c.

5062 **RUFFLED GIANTS.** Giant flowers with large throat and exquisitely ruffled edges. The many bewitching shades and colors present a jeweled sight in the garden. Pkt. (200 seeds) 25 cts.

5060 **Coppery Red.** Very attractive new shade having giant ruffled flowers. Pkt. (150 seeds) 25c.

5054 **LIVINGSTON'S SUPERB SINGLE MIXED.** Flowers most varied in colors and markings, beautifully ruffled. Pkt. (200 seeds) 15c; 1/64oz. 50c.

Livingston's Elite Mixture Single Petunias

5050 Not just an ordinary mixture but one especially prepared for you who love variety and quality. A combination of the best large, deep-throated and the fringed and ruffled more dainty sorts. Many impressive colors. Preserve the weak plants; they make the best blooms. It is probably due to the many pleasant surprises in it that this mixture sells so well. **Pkt. (200 seeds) 25c; 1/64 oz. 90c.**

Ruffled Giant one-half natural size.

Bedding Petunias

5064 **ROSY MORN.** A soft carmine-pink with white throat. Best pink edger. Pkt. (500 seeds) 15 cts.; 1/16oz. 30 cts.

5065 **BLUEBIRD (Violacea).** Dwarf, compact bushes and small, violet-blue flowers. A fine companion to Rosy Morn. Pkt. (400 seeds) 10 cts.; 1/16oz. 30 cts.

5068 **ROSE OF HEAVEN.** A compact grower, darker than Rosy Morn. It is a rich bright rose with inconspicuous white throat, a free bloomer. Pkt. (500 seeds) 10 cts.; 1/16oz. 30 cts.; 1/8oz. 50 cts.

5072 **Howard's Star.** Five-petaled blooms, having star-shaped markings of bluish-pink or white over maroon ground. Pkt. (500 seeds) 10 cts.; 1/16oz. 25 cts.; 1/8oz. 40 cts.

5074 **Striped and Blotched.** A most beautiful strain of Petunias for bedding and massing. Our mixture contains an endless variety of colors. Pkt. (500 seeds) 10c; 1/16oz. 20c; 1/8oz. 35c.

5080 **Finest Mixed.** Pkt. (500 seeds) 10c; 1/8oz. 20c; 1/4oz. 35c.

See New Miniature Petunia, Pink Gem, page 4.

Balcony Petunias

Most excellent for window- or porch-boxes.

5090 **White.** Pure white.

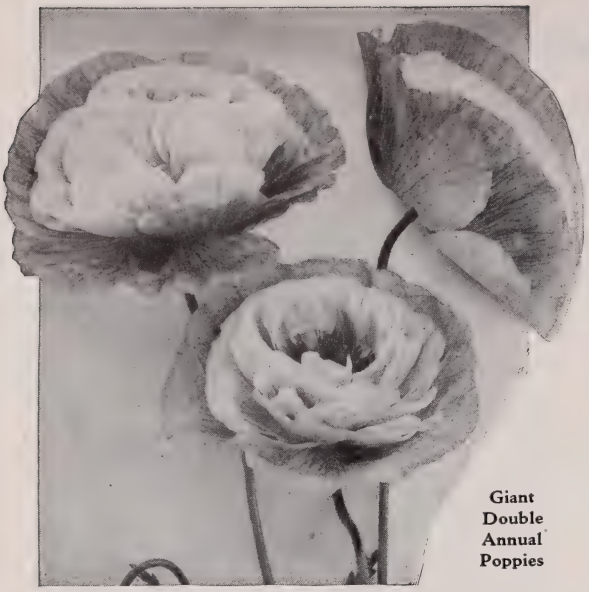
5092 **Rose.** Bright rose, white throat.

5094 **Red.** Very brilliant.

5096 **Blue.** Rich shade.

5098 **Mixed.** All colors.

Any one above: pkt. (300 seeds) 15 cts.; 1/16 oz. 35 cts.



Giant Double Annual Poppies

Both Old-fashioned

Annual Poppies

Culture C. Sow seed ⅛ inch deep. Hgt. 18 to 24 in.; sun or partial shade; will grow in poor soil; blooms in July and August from spring sown seed. Can be used in beds and borders and make good cut flowers.

6026 **Peony-flowered, Mixed.** Showy, double, globular flowers, almost equal to peonies. Finest colors. Pkt. 10 cts.; ¼oz. 30 cts.

6028 **Carnation-flowered, Mixed.** Large double flowers, beautifully fringed. Colors of dazzling richness. Pkt. 10 cts.; ¼oz. 30 cts.; oz. 50 cts.

6030 **LIVINGSTON'S GIANT DOUBLE MIXED.** A mixture of beautiful double Poppies, including only the improved double, giant-flowering kinds of the richest and brightest colors, as well as the daintiest and softest tints. The plants are sturdy, thrifty growers, from 2 to 3 feet high, producing immense flowers, sometimes 4 inches in diameter. Pkt. 10 cts.; ¼oz. 30 cts.; oz 50 cts.

6036 **Tulip Poppies.** Large single flowers of dazzling scarlet. Two outer petals resemble saucer in which are set two erect ones of same color. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 30 cts.

Annual Shirley Poppies

6031 **SWEET BRIAR.** New Shirley double Begonia-flowered novelty. A delightful shade of deep rose-pink with satiny petals all crinkled and crumpled. Pkt. 15 cts.; 1/16oz. 25 cts.; ⅛oz. 45 cts.

6034 **American Legion.** One of the most beautiful of all Shirley Poppies. A brilliant orange-scarlet with yellow antlers. Very large, free-flowering sort. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 30 cts.

6032 **Single and Double Annuals Mixed.** These are considered by many the most charming Poppies in cultivation. The individual flowers are large and elegant, mostly single blooms, some semi-double and double ones, often measuring 3 to 4 inches across. The petals are fluted and crinkled. The exquisite colors range from purest white to the deepest of blood-red. Pkt. 10 cts.; ¼oz. 30 cts.; oz. 50 cts.

PYRETHRUM (Feverfew)

Culture J. Sow seed ⅛ inch deep. About 2 ft. high; prefers sun; blooms from May to July and frequently in September. Flowers are of bright shades. A valuable border and bedding plant. Makes splendid cut-flowers.

6070 **Roseum.** Bright rose, single flowering. Pkt. 20 cts.; ⅛oz. 60 cts.

6072 **Album.** White, single. Pkt. 20 cts.; ⅛oz. 60 cts.

6074 **Atrosanguineum.** Blood-red, single. Pkt. 20 cts.

6076 **Single Hybrids, Mixed.** Pkt. 15 cts.; ⅛oz. 40 cts.

6077 **Double Mixed.** Pkt. 25 cts.; 1/16oz. 45 cts.

6078 **DOUBLE AND SINGLE MIXED.** Pkt. 20 cts. 1/16oz. 40 cts.

PENTSTEMON (Beard Tongue)

Culture J. Sow seed ⅛ in. deep. Hgt. 2 to 4 ft.

5044 **New Giant Flowered, Mixed.** Bushy plant with trumpet-shaped flowers. Pkt. 15 cts.; 1/16oz. 35 cts.

PHYSALIS (Chinese Lantern Plant)

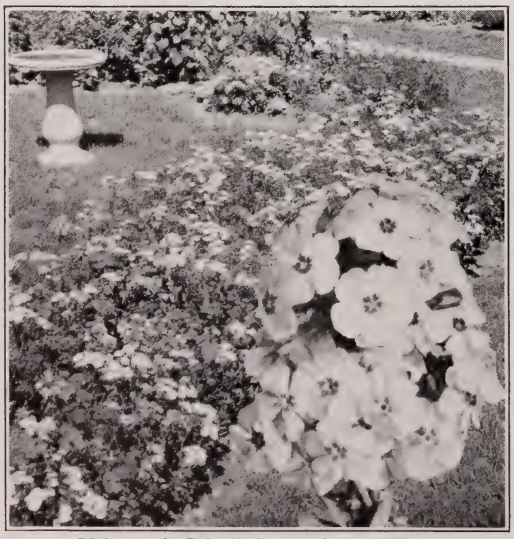
Culture J. Sow seed ⅛ in. deep. Hgt. 18 in.

5998 **Franchetti.** Yellow flowers, dark center. Red balloon-like husks second year. Pkt. 10 cts.; ⅛oz. 20 cts.

PLATYCODON (Chinese Bellflower)

Culture K. Sow seed ⅛ in. deep. Hgt. 2 to 3 ft.

6020 **Grandiflora, Mixed.** Campanula-like flowers having balloon appearance when in bud. Ever-lasting. Pkt. 10 cts.; 1/16oz. 25 cts.



Livingston's Prize Mixture, Annual Phlox

The Gay, Generous Phlox

× ANNUAL, culture A. Sow seed ⅛ inch deep. # PERENNIAL, culture J. Very slow to germinate; sow seed ½ inch deep. Hgt. 18 to 24 in.; prefers sun. Gives a constant display from July to September. Nothing surpasses it for beds, edgings, massing and rock-garden decoration. Fine for cutting. Try a bed of Phlox, mixed, edged with Ageratum.

6002 **Livingston's Prize Mixture×** Not grown as such but made up from separate choice colors. Pkt. 15 cts.; ⅛oz. 26 cts.; ¼oz. 40 cts.

Drummondi Grandiflora Types×

6004 **Bright Rose.** 6006 **Brilliant Scarlet.** 6008 **Crimson.** 6010 **Pure White.** 6012 **Yellow.**

Any one above: Pkt. 10 cts.; ⅛oz. 25 cts.; ¼oz. 40 cts.

6000 **DRUMMONDI, Mixed.** Pkt. 10c.; ⅛oz. 20c.; ¼oz. 35c.

6014 **MIXED STAR-SHAPED.×** Long, pointed petals, star-like appearance. Pkt. 10c; ⅛oz. 25c; ¼oz. 40c.

6018 **HARDY PERENNIAL, MIXED** (*P. decussata*). # Hardy herbaceous perennial and quite distinct from the varieties above. Seed is slow to germinate. Seedlings may not appear for a year. Pkt. 15 cts.; 1/16oz. 25 cts.; ⅛oz. 45 cts.

and New Poppies

Iceland and Oriental Poppies

Culture K. Sow seed 1/8 inch deep. Sun or partial shade. Icelands are about 12 in. high and bloom from April to June. Orientals are 2 to 3 ft. and bloom in June and July. Try the Orientals with Delphinium and Shasta Daisies.

6039 **EL MONTE.**○ New Iceland variety. Deep tangerine orange. Flowers are of large size, borne on long, wiry stems. Easily grown from seed in six months time. Pkt. 20 cts.; 1/16oz. 35 cts.; 1/8oz. 50 cts.

6041 **COONARA PINK.**○ New Iceland variety. Rose-pink suffused with salmon-pink. Flowers are borne on long, slender stems and are of wonderful delicacy. Pkt. 15 cts.; 1/16oz. 25 cts.; 1/8oz. 40 cts.

6038 **Iceland**○ (*Papaver nudicaule*). Perfectly hardy; beautiful satin-like flowers of every shade of yellow, white, and orange-scarlet. Plants grow about 1 foot high, forming tufts, from which the flower stems issue. Pkt. 10 cts.; 1/8oz. 25 cts.; 1/4oz. 40 cts.

6040 **Double Mixed Iceland.**○ Splendid mixture of double varieties. Pkt. 10c; 1/8oz. 30c; 1/4oz. 50c.

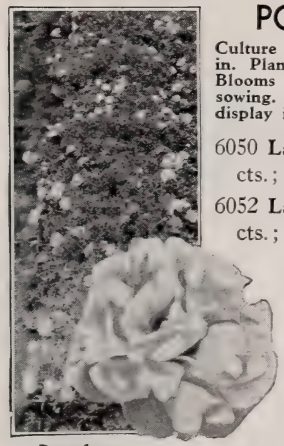
6042 **Large Oriental.** Most popular variety in cultivation. Height, 3 feet. A dazzling scarlet with coal-black blotches. Pkt. 10 cts.; 1/8oz. 25 cts.; 1/4oz. 40 cts.

6044 **LIVINGSTON'S ORIENTAL HYBRIDS.** Enormous flowers, sometimes more than 6 inches in diameter. Colors include shades of cherry, salmon, darkest red, vivid crimson, and innumerable others equally fine. Pkt. 10 cts.; 1/8oz. 30 cts.; 1/4oz. 50 cts.

6046 **Princess Victoria Louise.** Oriental. Beautiful salmon-pink. Pkt. 15 cts.; 1/16oz. 30 cts.; 1/8oz. 50 cts.

Livingston's Oriental Hybrid Poppies

Enormous flowers, up to 6 inches in diameter



Portulaca

PORTULACA (Moss Rose)×

Culture B. Sow seed 1/16 inch deep. Hgt. about 6 in. Plant in dry, sandy soil with full exposure to sun. Blooms profusely from July to October from spring sowing. The highly colored flowers give a dazzling display in beds, borders, rock-gardens or porch-boxes.

6050 **Large-flowering Single Mixed.** Pkt. 10 cts.; 1/8oz. 20cts.; 1/4oz. 35 cts.

6052 **Large-flowering Double Mixed.** Pkt. 15 cts.; 1/8oz. 40 cts.; 1/4oz. 75 cts.

RANUNCULUS (Buttercup) #○

Culture A. Sow seed 1/16 in. deep. Hgt. 6 to 12 in.; sun; blooms in May.

6079 **Asiaticus.** Flowers are variable in color. Valuable for rockery and for cutting. Pkt. 25 cts.; 1/16oz. 35 cts.; 1/8oz. 60 cts.

RICINUS (Castor-Oil Bean)×

Culture B. Sow seed to depth four times their size. Grows in sun or partial shade. Good for backgrounds and screening. Planted in or around your garden, it tends to keep Moles away and attract and kill Japanese Beetles.

6080 **Zanzibarensis.** 12 to 14 feet. Pkt. 5 cts.; oz. 20 cts.; 1/4lb. 50 cts.

6082 **Bourboniensis.** Height, 10 to 15 feet. Pkt. 5 cts.; oz. 20 cts.; 1/4lb. 50 cts.

6084 **Cambogensis.** Main stem and leaf-stalks shining ebony-black. Foliage assumes various shades. Height, 5 feet. Pkt. 5 cts.; oz. 20 cts.; 1/4lb. 50 cts.

6086 **Gibsoni.** Deep red leaves. Height 5 feet; compact. Pkt. 5c; oz. 20c; 1/4lb. 50c.

6088 **Livingston's Mixture.** Unsurpassed for elegant blending. Pkt. 5 cts.; oz. 15 cts.; 1/4lb. 40 cts.

The Lovely Primulas÷

Culture E. Sow seed on surface and firm soil. Ideal house plants, but can be used outside in summer. Hgt. 1 foot. For succession of bloom make several sowings from March to August.

6060 **Obconica grandiflora, Large-flowering Hybrids.** Lovely and profuse blooming Primrose, bearing on long stems large heads of beautiful flowers, white, tinged lilac and rose shades. Pkt. 10c; 1/32oz. 75c.

6062 **Muller Mohnstein.** Mixture of rose and dark red. Large flowers. Pkt. 50 cts.; 1/64 oz. $1.50.

Hardy Primrose (Primula)○

Culture F. Sow seed on surface and merely cover. Hgt. 1 ft.; partial shade; blooms April and May; fine for rock-gardens.

6064 **Veris, Mixed.** Large golden yellow flowers. Pkt. 10 cts.; 1/16oz. 30 cts.; 1/8oz. 50cts.

6065 **Vulgaris.** *Canary Yellow.* Very fragrant. Pkt. 10 cts.; 1/16oz. 30 cts.; 1/8oz. 50 cts.

Primula, Obconica

Salvia, Harbinger

Vivid Salvias (Flowering Sage) ×

Culture A. Sow seed ⅛ in. deep. Hgt. 18 to 36 in.; blooms from August until hard frost and is literally ablaze with brilliant flowers. Used extensively for hedges and edging shrubbery.

6097 **Harbinger.** *New.* Earliest blooming variety. Started in February, starts blooming in June. Dazzling scarlet flowers and deep green foliage. Compact plant, 16 inches high. Pkt. 10 cts.; 1/16oz. 40 cts.; ⅛oz. 75 cts.

6090 **SPLENDENS GRANDIFLORA** (Scarlet Sage). Gorgeous plants; numerous spikes of intensely vivid scarlet flowers 10 to 12 inches in length. The most popular in cultivation. Pkt. 10 cts.; ⅛oz. 35 cts.; ¼oz. 60 cts.

6092 **BONFIRE.** Erect spikes of brilliant, dazzling scarlet on bushy plants about 2 feet high by 2 feet wide. Pkt. 10 cts.; 1/16oz. 30 cts.; ⅛oz. 50 cts.

6094 **AMERICA (Globe of Fire).** A free, continuous bloomer. The uniformity in habit of growth makes it valuable for bedding or planting in line. Height, 1½ feet. Pkt. 15 cts.; 1/16oz. 40 cts.; ⅛oz. 75 cts.

6096 **Zurich.** Compact-growing sort, forming handsome, symmetrical bushes, 15 to 18 inches tall, which are completely covered with scarlet flower-spikes. Pkt. 10 cts.; 1/16oz. 40 cts.; ⅛oz. 75 cts.

6099 **Farinacea.** # A decidedly different hardy variety. Grows 2 to 4 feet high but only 10 to 12 inches in width. Long spikes of light blue flowers. Needs winter protection. Pkt. 10 cts.; 1/16oz. 20 cts.; ⅛oz. 35 cts.

6098 **PATENS BLUE.#** Hardy variety growing 2 feet high. Large, rich blue flowers. Dig roots and winter in cold place. Pkt. 25 cts.; 1/16oz. 45 cts.; ⅛oz. 85 cts.

SANVITALIA ×

Culture C. Sow seed ⅛ inch deep. Hgt. 6 in.; blooms from June to October.

6110 **Procumbens, Double.** Creeping, prostrate plants with golden-yellow flowers much like tiny Zinnias. Pkt. 10 cts.; ⅛oz. 30 cts.; ¼oz. 50 cts.

SAPONARIA # ○

Culture J. Sow seed 1/16 inch deep. Hgt. 6 in.; blooms from June to August.

6112 **Ocymoides Splendens.** Trailing rock plant. Masses of vivid crimson flowers. Pkt. 10 cts.; ⅛oz. 25 cts.; ¼oz. 45 cts.

Saxifraqa For Alpine Work # ○

Culture J. Sow seed on surface and merely cover. Hgt. 1 ft.; sun or partial shade; blooms May and June. Fine foliage.

6156 **SAXIFRAGA, Mixed.** Masses of handsome, broad, deep green foliage. Pink and white flowers. Pkt. 15 cts.; 1/32 oz. 30 cts.; 1/16oz. 50 cts.

6157 **Saxifraga, Mossy Varieties, Mixed.** A mixture of best moss varieties for rock gardening. Pkt. 25c; 1/32oz. 75c.

SALPIGLOSSIS (Painted Tongue) ×

Culture A. Sow seed ⅛ inch deep. Hgt. 18 in.; sun or partial shade; blooms July to September.

6100 **MIXED.** Delicate reds, deep blues, whites and other colors, striped with veins of gold. Petunia-like blooms borne on thread-like stems. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

Sweet Scabiosa

Mourning Bride, Pin-Cushion Flower

Annuals

Culture B. Sow seed ⅛ inch deep. Hgt. 2 to 2½ ft. Spring sown seed gives bloom from June to October. Exquisite flowers on long stems; fine for cutting.

6114 **Shasta.** Pure White.
6116 **Azure Fairy.** Sky-blue.
6118 **Fiery Red.**
6124 **Flesh.** Deeply flushed.
6126 **Lilac**
6128 **Cherry-Red.**
6130 **Black Prince.**
6115 **LOVELINESS.** Delicate salmon-rose shades.
6117 **PEACH BLOSSOM.** Beautiful peach-blossom pink.

Any one above: Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

COLLECTION: **9 separate colors above, value 90 cts.....75c**

6132 **LIVINGSTON'S IMPROVED LARGE-FLOWERING. Finest Mixed.** A very fine mixture, containing all the finest large-flowering double sorts. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

Perennials

Culture J. Sow seed to depth four times their size.

6136 **CAUCASICA, Hardy.** 3 feet high; large lilac-blue flowers. Pkt. 10 cts.; 1/16oz. 25 cts.; ⅛oz. 40 cts.

6138 **CAUCASICA, ISAAC HOUSE STRAIN.#** Improvement over Caucasica. More vigorous, stronger and longer stems and larger flowers. Pkt. 20 cts.; 1/16oz. 35 cts.; ⅛oz. 65 cts.

Large Flowering Annual Scabiosa

Sweet Williams

(Dianthus Barbatus)

Culture K. Sow seed ⅛ inch deep. Hgt. 12 to 18 in.; sun or partial shade. An easily grown perennial from seed sown outside. Usually does not bloom until second season from May to July. Deliciously fragrant and unsurpassed for cutting.

6284 **Livingston's Miracle Mixture,** of Sweet Williams. Our own improved strain. Exceptionally large, symmetrical heads of every conceivable color and shade from white to almost black. Pkt. 15 cts.; ⅛oz. 30 cts.; ¼oz. 50 cts.

6287 **SCARLET BEAUTY.** A very striking strain. Large heads of an intense scarlet color. A charming and distinct sort and one that every lover of Sweet Williams should have this year. Pkt. 15c; ⅛oz. 25c; ¼oz. 40c.

6288 **Pink Beauty.** A beautiful salmon-pink. Pkt. 15 cts.; ⅛oz. 25 cts.; ¼oz. 40 cts.

6290 **Double Mixed.** Very superior, containing all colors and shades. Pkt. 10c; ⅛oz. 25c; ¼oz. 40c.

6292 **Single Mixed.** A very choice assortment of all the best single-flowering varieties. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

6294 **DOUBLE and SINGLE MIXED.** This mixture is made by blending the double and single-flowering varieties. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

SCARLET RUNNER BEAN ×

Culture C. Sow seed to depth four times their size. Excellent for porches and trellises.

6146 An ornamental climber. Bright scarlet sprays of bloom, followed by edible beans. Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 35 cts.

SCHIZANTHUS (Butterfly Flower) × ○

Culture B. Sow seed 1/16 in. deep. Hgt. 18 in.; blooms July to September; popularly called "Poor Man's Orchid."

6140. **Mixed.** Fine fern-like foliage; oddly marked and queerly shaped flowers in various shades. Pkt. 10 cts.; 1/16oz. 25 cts.; ⅛oz. 40 cts.

SENSITIVE PLANT ×

Culture B. Sow seed ⅛ inch deep.

6150 A curious plant; the leaves close and droop at the slightest touch or during cloudy, damp weather. Pkt. 10 cts.; ⅛oz. 20 cts.

STOKESIA (Cornflower Aster)

Culture J. Sow seed ⅛ inch deep. Hgt. 18 to 20 in.; blooms July to late October. Valuable bedding plant.

6170 **Cyanea.** Bachelor's button-like, light lavender-blue flowers, several inches in diameter. Pkt. 10 cts.; 1/16oz. 25 cts.; ⅛oz. 40 cts.; ¼oz. 75 cts.

Antirrhinum or Snapdragons, See page 18.

Fragrant Stocks

Sweet William Planting

SILENE (Catchfly) # ○

Culture J. Sow seed 1/16 in. deep. Hgt. 4 in.; trailing; blooms July to October.

6160 **Schafta.** Bright rose, fine autumn border or rock plant. Pkt. 15 cts.; 1/16 oz. 25 cts.; ⅛oz. 40 cts.

STACHYS (Lamb's Ear) # ○

Culture J. Sow seed on surface and merely cover. Hgt. 1 to 1½ ft.

6164 **Lanata.** Grown principally for its dwarf, white woolly foliage. Pkt. 10c; 1/16oz. 25c; ⅛oz. 40c.

STATICE

× ANNUAL, Culture D. # PERENNIAL, Culture J. Separate seed, lay on side and cover ⅛ in. Hgt. 18 to 24 in.; sun; blooms July to August.

6180 **True Blue** ×
6182 **Rosea Superba** ×
6184 **White** ×
6185 **Bonduelli Yellow** ×
6186 **Mixed Annual**

Any one above: Pkt. 10 cts.; ¼oz. 25 cts.; Oz. 65 cts.

6188 **DUMOSA.** # ○. New. Hardy variety for rock work; rose colored flowers. Height 12 inches. Pkt. 10 cts.; 1/16oz. 30 cts.; ⅛oz. 50 cts.

SUNFLOWER (Helianthus) ×

Culture C. Sow seed to depth four times their size. Hgt. 4 to 6 ft.; sun; withstands drought; blooms September and October.

6190 **Miniature Hybrids.** Profuse bloomer; mixed colors. Pkt. 10 cts.; ¼oz. 25 cts.

6192 **Globe of Gold.** Double, globe-shaped. Pkt. 10 cts.; ⅛oz. 15 cts.; ¼oz. 25 cts.

6194 **Livingston's Mixture.** Pkt. 10 cts.; ⅛oz. 15 cts.; ¼oz. 25 cts.

Sturdy, Fragrant Stocks ×

Culture A. Sow seeds 1/16 inch deep. Hgt. 18 to 30 in.; sun; blooms August to October from spring sown seed. Fine for bedding, cutting and pot culture.

6178 **BUTTERCUP.** *New.* Giant Stock of rich, deep yellow with long spires and large blooms. Illustrated on page 7. Pkt. 15 cts.; 1/16oz. 30 cts.; ⅛oz. 50 cts.

6174 **Finest Mixed.** Large-flowering double flowers embracing many colors and shades. Pkt. 10 cts.; ⅛oz 25 cts.

6176 **GIANT PERFECTION, MIXED. (Cut-and-Come Again Variety.)** Our best mixture, containing the cream of the list in finest colors. Pkt. 10cts.; ⅛oz. 35 cts.

Spencer Sweet Peas

Extra-Early Flowering Spencers

The Spencer Sweet Peas have been a striking advance in flower breeding. They have long stems and usually 4 gigantic blooms.

Sweet Pea seed should be sown as early as possible in the spring. If convenient, prepare the soil in the fall, mixing in Bone-Meal or 4-12-4 Plant Food. In ordinary culture sow in furrow 3 to 4 in. deep, covering seed 1 in. When started thin plants to 4 in. apart. When cultivating, draw soil to row, filling furrow. When plants are 12 to 14 inches high, nip out center to encourage branching. Give plenty of water and do not let seed pods form.

A leaflet "How to Grow Sweet Peas" sent free on request.

Standard Flowering Spencers

6200 **Mary Pickford.** Cream-pink suffused salmon.
6202 **Campfire.** Bright, sunproof scarlet. Profuse bloomer.
6203 **Red Boy.** A pure, rich crimson. Long stems.
6204 **King Edward.** Scarlet and rosy carmine. Best to date.
6205 **Powerscourt.** Best lavender. Illustrated on page 7.
6212 **George Shawyer.** Orange, shaded salmon. Orchid-flowered.
6214 **Hawlmark Pink.** Rich rose-pink flushed salmon.
6216 **Royal Scott.** True orange-cerise-scarlet. Strong grower.
6218 **Warrior.** Rich deep maroon blooms of fine form.
6220 **Mrs. Tom Jones.** A real azure-blue. Beautifully waved.
6222 **Royal Purple.** Best purple. Flowers improve with age.
6226 **King White.** Glistening white. Gigantic size.
6232 **Valentine.** Deep blush-pink. Well-formed flowers.
6234 **Pinkie.** Rich rose-pink. Large and vigorous.

Any one above: Pkt. 10 cts.; oz. 30 cts.; ¼lb. 90 cts.

Livingston's Special Collection of Spencer Sweet Peas

6200 **Mary Pickford.** Dainty cream pink.
6202 **Campfire.** Brightest scarlet.
6205 **Powerscourt.** Best lavender.
6220 **Mrs. Tom Jones.** A real azure-blue.
6222 **Royal Purple.** The best purple Spencer.
6226 **King White.** Pure white.
6234 **Pinkie.** Rich rose-pink.

Seven Liberal Packets for 35 cts., Postpaid

6240 **SPENCER, MIXED.** Many of the best named sorts, also some rare new hybrids in lavender, blue, striped, mottled, purple, maroon and many other shades, are included in this good mixture. All flowers are of large size, typically frilled and waved, and very lovely. Pkt. 10 cts.; oz. 25 cts.; ¼lb. 75 cts.

Extra-Early Flowering Spencers

A real addition to the garden of those who want early Sweet Peas. While they are used almost exclusively by the greenhouse trade, they do equally well outside, the only difference being that the blossoms are just a trifle smaller. This early selection retains all of the Spencer characteristics, usually having four blooms on a long, stiff stem.

6250 **Glitters.** Cerise-scarlet.
6252 **Harmony.** Clear lavender.
6254 **Torch.** Salmon-orange.
6256 **Zvolanek's Pink.** Rose-pink.
6263 **Blue Bonnet.** Deep blue.
6266 **White Harmony.** Black-seeded.
6268 **Early Aviator.** Glowing crimson.

Any one above: Pkt. 15c.; oz. 50c.

6251 **Fragrance.** Large, frilled lavender.
6253 **Fascination.** Salmon rose-pink.
6257 **Lady Gay.** Soft shrimp-pink.
6261 **Valencia.** Bright orange, sunproof.

Any one above: Pkt. 15 cts.; oz. 60 cts.

6270 **Mixed.** All the best extra-early flowering varieties. Pkt. 15 cts.; oz. 45 cts.

Livingston's Gilt-Edge Mixture of Grandiflora Varieties

This is a very superior mixture, made up of over 50 of the finest named varieties of this older type. All are bright colors.

6248 **Gilt-Edge Mixture.** Pkt. 5c; oz. 15c; ¼lb. 45c.

6244 Livingston's Special Spencer Mixture

The different sorts contained in this mixture are grown separately and we mix them ourselves in proper proportions to give the most brilliant effect. Embraces the finest Spencer varieties, including latest novelties, and will produce a great abundance of giant flowers in many beautiful colors, including mottled, blended, flaked and striped sorts. This superb mixture is our special pride and, without exception, the finest it is possible to make and offer at this price.

Pkt. 10 cts.; oz. 35 cts.; ¼lb. 90 cts.

HARDY SWEET PEAS

(Lathyrus latifolius)

Culture K. Soak seed overnight, sow ½ inch deep.

Showy, free-flowering perennial. Blooms continuously from early spring until midsummer. Although lacking fragrance, they are very valuable because they will last almost indefinitely. A very vigorous grower, often growing 8 to 10 feet, and bearing large clusters of beautiful flowers.

6274 **White.** Pearly white. 6278 **Red.** Reddish purple.
6276 **Pink.** Rich rose-pink.

Above separate colors, pkt. 15 cts.; ⅛oz. 25 cts.

6280 **Mixed.** All colors mixed. Pkt. 15c; ¼oz. 40c.

The New Venedium ×

A South African Daisy

Culture B. Sow seed ⅛ inch deep. Hgt. 2 to 3 ft.; requires sun; blooms over long period.

6325 **FASTUOSUM.** Deep orange, daisy-like flowers, four to five inches across, with reddish brown disc at base of petals and purple-black center. Fine greyish, silky foliage adds to its beauty. Received Award of Merit, 1933. Pkt. 10cts.; 1/16oz. 35 cts.

VERONICA (Speedwell) # ○

Culture J. Sow seed 1/16 inch deep. Hgt. of varieties vary from 1 to 36 inches; sun or partial shade. Good for rock-garden work.

6331 **Prostrata.** Trailer. Blue and white flowers. Blooms June and July. Pkt. 25c; 1/16oz. 60c; ⅛oz. $1.00.

6332 **Repens.** 1 inch carpeting plant. Blue flowers. Blooms May and June. Pkt. 25c; 1/16oz. 60c; ⅛oz. $1.00.

6334 **Spicata.** Beautiful dark blue spikes about 18 inches high. Blooms June and July. Pkt. 15 cts.; 1/16oz. 25 cts.

6330 **Veronica, Tall Mixed.** 2 to 3 ft. Pkt. 10c; ⅛oz. 30c.

The New African Daisy-Venedium

THUNBERGIA (Black Eyed Susan) × =

Culture B. Sow seed to depth four times their size. Hgt. 5 ft.; requires sun.

6300 **Mixed.** Rapid growing climbing or trailing plant for hanging baskets or trellises. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

TORENIA × ○

Culture G. Sow seed on surface and merely cover. Hgt. 1 ft. Fine for pots or hanging baskets.

6306 **Fournieri.** Bushy plant, snapdragon-like blue flowers. Pkt. 10 cts.; 1/16oz. 30 cts.

TRITOMA (Red Hot Poker)

Culture H. Sow seed ⅛ in. deep. Hgt. 3 to 4 ft. Attractive border plant; requires winter protection.

6308 **Hybrida, Early-flowering, Mixed.** Spearhead like stems in many colors. Pkt. 15 cts.; 1/16oz. 25 cts.

TUNICA # ○

Culture J. Sow seed on surface and merely cover. Hgt. 6 in.; sun; blooms June to September.

6310 **Saxifraga.** Tufted plant with pretty light blue flowers. Pkt. 10 cts.; ⅛oz. 35 cts.

Erecta Type Verbena, Fireball

VALERIANA (Hardy Garden Heliotrope)

Culture J. Sow seed ⅛ in. deep. Hgt. 2 ft.; blooms June to August.

6320 **Mixed.** Showy heads of flowers with strong heliotrope fragrance. Pkt. 10 cts.; ⅛oz. 25 cts.

VINCA (Periwinkle) ×

Culture G. Sow seed ⅛ in. deep. Hgt. 18 in.; bushy, glossy foliage; beautiful circular flowers.

6370 **Rosea alba.** 6372 **Alba.** 6374 **Rosea.** 6376 **Mixed.**
Any one above: Pkt. 10c.; ⅛oz. 25c.; ¼oz. 45c.

VIOLET

Culture F. Sow seed ⅛ in. deep. Blooms April to June.

6380 **Sweet-scented.** Violet blue. Pkt. 10 cts.; 1/16oz. 30 cts.

VIOLA (Tufted Pansy) # ×

Culture F. Sow seed ⅛ in. deep.

6384 **Cornuta, Mixed.** Smaller than Pansy but more profuse. Pkt. 10 cts.; 1/16oz. 25 cts.

XERANTHEMUM (Everlasting Flower) ×

Culture B. Sow seed ⅛ in. deep. Hgt. 2 ft.; blooms July to September.

6386 **Mixed.** Pkt. 10 cts.; ⅛oz. 25 cts.; ¼oz. 35 cts.

Livingston's Mammoth Verbenas × ○

Culture B. Sow seed ⅛ inch deep. Hgt. 6 to 12 in.; will grow in any good garden soil in sun or partial shade. It is spreading, forming a carpet of green with large flower heads of many shades from July to October from spring sown seed. Cut the flowers as they begin to fade for more abundant bloom.

Mammoth Types

6340 **Defiance.** Scarlet.
6342 **Blue Varieties.**
6344 **Striped Varieties.**
6346 **Pink Varieties.**
6348 **Pure White.**
6350 **Purple.**

Any one above, pkt. 10 cts.; ⅛oz. 25 cts.

COLLECTION: One packet each above 6 colors.....50c

6360 **LIVINGSTON'S MAMMOTH MIXED VERBENAS.** All colors. Pkt. 10 cts.; ⅛oz. 25 cts.; ¼oz. 40 cts.

Gigantea Types

6365 **Beauty of Oxford Hybrids.** *New.* The brightest rose ever produced from seed. Shades from clear rose-pink to rose-red. Received Award of Merit, 1933. Pkt. 10 cts.; ⅛oz. 35 cts.; ¼oz. 65 cts.

6364 **LUMINOSA.** A flaming pink shading to salmon. Compact grower; immense trusses. Pkt. 15 cts.; ⅛oz. 30 cts.; ¼oz. 50 cts.

Compacta Erecta Type

6368 **FIREBALL.** × ○ A dwarf compact sort about 6 inches high and literally covered with bright scarlet blooms. Pkt. 10 cts.; ⅛oz. 25 cts.; ¼oz. 40 cts.

Livingston's Zinnias×

Double Dahlia-Flowered Zinnia

Culture B. Sow seed ⅛ inch deep. Zinnias are easily grown and give a world of bloom from July to October. They will thrive in any ordinary garden soil, but prefer sun. Fine for bedding, borders and cut flowers.

DOUBLE DAHLIA-FLOWERED

Strong, vigorous plants, 2½ to 3 feet high, producing mammoth flowers 4 to 6 inches across by 2½ to 3 inches deep.

6432 **Old Gold.** Deep orange color.
6434 **Golden Dawn.** Golden yellow.
6436 **Luminosa.** Bright rose.
6438 **El Dorado.** Rose on salmon.
6440 **Oriole.** Orange and golden bicolor.
6442 **Exquisite.** Tyrian-rose.
6446 **Polar Bear.** Pure white.
6448 **Crimson Monarch.** Crimson.
6450 **Scarlet Flame.** Bright scarlet.
6454 **Dream.** Deep lavender.
6456 **Purple Prince.** Rhodanthe-purple.

Any one above: pkt. 20c; ⅛oz. 30c; ¼oz. 50 cts.

Collection, Dahlia-Flowered Zinnias
Exquisite - Polar Bear - Purple Prince Crimson Monarch - Oriole - Scarlet Flame - Dream
Would cost $1.40 separately.
$1.00

Mammoth-Flowering Zinnias

6400 **Crimson.**
6402 **Dark Purple.**
6404 **Flesh-Pink.**
6406 **Pure White.**
6408 **Golden Yellow.**
6410 **Scarlet.**

Any one of above, each, pkt. 5 cts.; ⅛oz. 20 cts.

COLLECTION: One Pkt. each above.....25c

6420 **LIVINGSTON'S MAMMOTH - FLOWERING PRIZE MIXTURE.** Our mixture of Mammoth-flowering Zinnias contains all the colors and shades known in this popular flower. Pkt. 5 cts.; ¼oz. 20 cts.; oz. 50 cts.

New Crown O' Gold Zinnia

6488 **Mixed.** Two-tone color harmony in each flower; overlaid with golden yellow at base and carries out individual flower color at the tip. Many colors and shades. Pkt. 15 cts.; ⅛oz. 25 cts.; ¼oz. 40 cts.

Curled or Crested Zinnias

6470—A fine strain with large double flowers of perfect form; petals twisted, curled and crested into fantastic and graceful forms. Pkt. 10 cts.; ¼oz. 35 cts.; oz. 90 cts.

Elegans Pumila Dwarf Double Zinnias

(Cut and Come Again Variety)

Extra double flowers, produced on dwarf plants about 18 inches tall. Illustrated on page 7.

6425 **Pinkie**
6426 **Bright Scarlet**
6427 **Salmon Rose**
6428 **Canary Yellow**

Any one above: Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 30 cts.

6430 **Pumila, Mixed.** Contains above and many other colors. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 30 cts.

Double Pompon or Lilliput Zinnias

So called on account of its dwarf nature. The plant is 12 to 15 inches high. The flowers are very beautiful little things about 1½ inches in diameter and very double.

6472 **Crimson Gem.**
6473 **Salmon Rose.**
6474 **Golden Gem.**
6476 **Scarlet Gem.**
6478 **Flesh.**

Any one of above, each pkt. 10c; ⅛oz. 20c; ¼oz. 35c.

6480 **All Colors Mixed.** A fine mixture, containing those above and many others. If you desire many brilliant colors to create a charming effect along walks or against shrubbery, use these. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 30 cts.

6464 Double Dahlia-Flowered, Mixed

A splendid mixture of the Dahlia-flowered type. Large flowers with a good color range. Will make a nice show in your garden. Pkt. 10 cts.; ⅛oz. 25 cts.; ¼oz. 40 cts.

6460 Livingston's Special Mixture, Dahlia-Flowered Zinnia

Not just an ordinary mixture with a little of something else thrown in but a special mixture of all the best Dahlia types made from separate colors. Brilliant colors and giant flowers that will appeal to those wanting the best.

Pkt. 15 cts.; ⅛oz. 25 cts.; ¼oz. 45 cts.; oz. $1.35.

Mrs. Thos. Clark, Manitowoc County, Wisconsin, writes: *"Have some very pretty shades of zinnias from seed I bought of you this Spring."*

Pompon or Lilliput Zinnias

Livingston's "True Blue" Vegetable Seed

Delivered Free Anywhere in the United States Proper. See Page 1.

THE HOME GARDEN—YOU SHOULD HAVE ONE THIS YEAR

Besides being a happy diversion from other responsibilities of home life, the Home Vegetable Garden is a source of saving and supplies healthful food for the whole family. You should have one this year and there is no better time to plan for it than right now. You will find it easy and enjoyable if you use this catalog as a guide. Under each variety listed herein complete, easy to follow, cultural directions are given. A complete "Vegetable Planting Table" is also given on page B-1 at the front of this book.

We have prepared a number of leaflets on vegetable cultures. You will find them interesting and instructive. They are listed at the right and any you wish to have will be gladly sent free with your order. The cost of printing and postage makes it necessary to confine this offer to purchasers of Livingston's "True Blue" Seed but we shall be glad to assist any and all gardeners with their problems. Your inquiry letters are invited and our staff of experienced, practical gardeners are ready to assist in any way possible.

See Vegetable Novelty Pages, 9 to 11

Very complete list of the newer and better vegetables for the home garden.

PLEASE NOTE

One-half pound of any vegetable variety may be purchased at the pound rate.

We cannot supply less than 5 lbs. of any one variety at the 5 pound rate, neither can we supply 5 lbs. made up of two or more varieties at the 5 pound rate.

For quantities larger than quoted herein, please write for special price.

Free Leaflets With Orders on Request

These leaflets will help you to better succeed with growing vegetables. Just add those you want to your order and they will be gladly sent.

The Vegetable Garden
Growing Seedlings
Hotbeds and Cold Frames
Growing Asparagus
Growing Cabbage and Cauliflower
Celery Culture
Growing Mushrooms
Growing Melons
Growing Onions
Peanut Culture
Pruning Calendar
Soil Fertility and Fertilizers
Tomato Booklet

Spargel Home-Garden Asparagus *Esparragos*

Culture—A most delicious and health-giving plant and is best when fresh cut and cooked at once. It comes about as early as Rhubarb, does best in a good, rich, sandy soil, but is so hardy it will grow almost anywhere and come year after year. Sow seed early in spring about 2 inches deep in rows 18 inches apart. When one to two years old, transplant to permanent bed in rows 24 inches apart, placing them 8 inches deep and 18 inches apart in the row. Fertilize heavily in the fall and cultivate well in the spring. More detailed cultural leaflet sent free on request.

One ounce of seed will sow 60 feet of drill. About 400 plants to the ounce

Mary Washington. A large, early, vigorous and productive, rust-resistant variety that will even produce large shoots the second year and, through its high-branching habit, shoots with good tight tip buds can be cut as much as 2 feet long. The shoots are deep green with purple tips, one inch in diameter, with an oval tendency. The best for home-gardeners. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 50 cts.; lb. $1.75.

WASHINGTON RUST-PROOF. A fast growing, exceedingly tender sort of excellent flavor. Very hardy, producing a crop in soil where ordinary varieties were ruined by the fatal rust disease. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

Palmetto. An early, dark green variety with pointed tips. Smaller than the Washingtons but produces more shoots. Not rust-resistant. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.

Mary Washington Asparagus

Rosenkohl Brussels Sprouts *Col de Bruselas*

Culture—A species of the Cabbage family which produces miniature heads from the sides of the stalk. These heads, cooked like Cauliflower, are a great delicacy. Start seed the same as Cabbage and transplant outside in rows 24 to 30 inches apart, placing plants about 18 inches apart, in the row. Cultivate same as Cabbage. Can also sow seed in drills, ½ inch deep, outside in May and transplant.

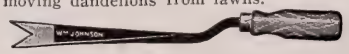
One ounce of seed will sow 200 feet of drill. About 200 plants to the packet.

Pride of Denmark. A fine variety, growing about 3 feet tall. 65 days from trans. Pkt. 5 cts.; oz. 20 cts.; ¼lb. 65 cts.; lb. $2.00.

LONG ISLAND IMPROVED DWARF. Low growing but very productive. 65 days from trans. Pkt. 5 cts.; ½oz. 15 cts.; oz. 25 cts.; ¼lb. 75 cts.; lb. $2.50.

Asparagus Knife

Fine for harvesting Asparagus or removing dandelions from lawns.



Price 40c Ppd.

Livingston's Quality Beans

Carefully Selected Strains of Exceptional Quality

On Beans we now pay all transportation by Parcel Post, Express, or Freight at our option anywhere in the United States, regardless of distance or amount. For complete details, see page 1.

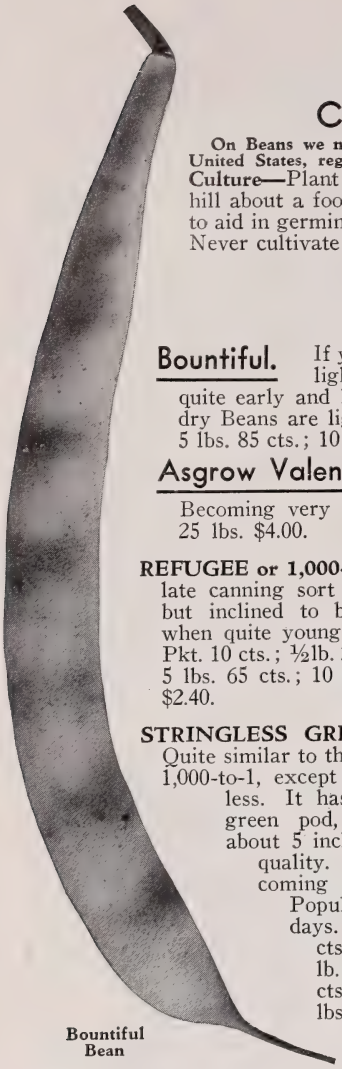
Culture—Plant Dwarf Beans in small gardens, in rows 2½ feet apart, and three or four Beans in a hill about a foot apart in the rows. Cover the Beans with 2 inches of soil and press it down firmly, to aid in germination. For a continuous supply, plant about May 15 and every ten days until August. Never cultivate or handle beans when the vines are wet.

One pound will plant a row 100 feet long; 60 to 100 lbs. to an acre.
2 pounds equals 1 quart, 15 pounds 1 peck, 60 pounds 1 bushel.

Green-Podded Dwarf Varieties

Bountiful. If you like a flat green-podded Bean, Bountiful is sure to please you. It has a beautiful, light green, semi-round, straight, stringless pod, 6 to 7 inches long; begins bearing quite early and lasts a long time. A hardy, early, productive sort, growing about 15 ins. high. The dry Beans are light yellow, and may be boiled. 62 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 85 cts.; 10 lbs. $1.60; 25 lbs. $3.75.

Asgrow Valentine. A stringless Black Valentine. Pods are long, straight, oval and completely stringless. Plants, which resemble Black Valentine, are sturdy and prolific. Becoming very popular. 63 days. Large Pkt. 10c; ½lb. 20c; lb. 35c; 5 lbs. 90c; 10 lbs. $1.70; 25 lbs. $4.00.



Bountiful Bean

REFUGEE or 1,000-to-1. A good old late canning sort with round pods, but inclined to be stringy except when quite young. 82 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 65 cts.; 10 lbs. $1.05; 25 lbs. $2.40.

STRINGLESS GREEN REFUGEE. Quite similar to the Late Refugee or 1,000-to-1, except that it is stringless. It has a slender, light green pod, slightly curved, about 5 inches long, of good quality. A good yielder, coming into bearing late. Popular for canning. 84 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 80 cts.; 10 lbs. $1.50; 25 lbs. $3.50.

Full Measure. A comparatively new sort worth trying. It is ready for table use a few days later than Stringless Green-Pod, and very productive, as indicated by its name. The fine stringless green pod is about 6 inches long, straight, very fleshy, round, and crease-backed. When dry, the Bean is similar to the Red Valentine and should be used in place of it. 66 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 85 cts.; 10 lbs. $1.55; 25 lbs. $3.65.

Giant Stringless Green-pod. Later than Stringless Green-Pod but has pods fully an inch longer which are round, quite straight, brittle and stringless. The plants are very prolific, making this variety popular for canning. 62 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 80 cts.; 10 lbs. $1.50; 25 lbs. $3.50.

Stringless Green-Pod

Tendergreen. A new, entirely stringless, early round-podded, dwarf variety. The light green pods are 6 to 7 inches long, meaty, tender and fine flavored. Vines are vigorous and productive. It fully justifies its name and deserves to be in your garden. 60 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 85 cts.; 10 lbs. $1.60; 25 lbs. $3.75.

HOPKINS EARLIEST RED VALENTINE. The finest strain of the old Red Valentine type. Pod about 5 inches long, round, with some string. 60 to 65 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 65 cts.; 10 lbs. $1.20; 25 lbs. $2.75.

TENNESSEE GREEN-POD. A large, flat-podded variety, having strings, but of such good quality that it is popular where well known. Pod 6 to 7 inches long, curved, irregular, and dark green. 60 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 70 cts.; 10 lbs. $1.30; 25 lbs. $3.00.

Inoculate Beans with NOD-O-GEN
Better, larger, crops
See page 11

Tendergreen Beans

Stringless Green-Pod. If a round-podded green Bean is preferred, the Stringless Green-Pod is the finest. It is a strong-growing, dark green foliage sort, with round, meaty, brittle, slightly curved pods of highest quality, that simply refuse to get stringy even when old enough to shell. Dry Beans dark brown. 61 days. Large Pkt. 10c; ½lb. 20c; lb. 35c; 5 lbs. 85c; 10 lbs. $1.55; 25 lbs. $3.65.

DON'T LET THE "MEXICAN BEAN BEETLES" TAKE YOUR CROP
Combat them with "Hammond's Slug Shot," Page 63 or Red Arrow, Page 25.

For Your Own Home Garden

Wax-Podded Dwarf Varieties

Sure-Crop Wax. As its name indicates, a thrifty, hardy sort and very popular with gardeners. A big-yielding, semi-round, long-podded, deep yellow, stringless variety. Everybody should plant some Sure-Crop. 70 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 80 cts.; 10 lbs. $1.50; 25 lbs. $3.50.

Improved Pencil-Pod Black Wax. The old, original Black Wax was never beaten for quality. This Pencil-Pod strain has a better shaped and longer pod. Fine for home-gardens. 60 days. Large Pkt. 10c.; ½lb. 20c; lb. 35c; 5 lbs. 80c; 10 lbs. $1.50; 25 lbs. $3.50.

Wardwell's Kidney Wax. This is the handsomest of the flat-podded Wax Beans, and very popular. The pods are straight, 6 inches long, broad, flat, stringless, and light yellow in color—almost transparent. Rather tender but productive. Best flat-podded variety for home-gardens. 61 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 85 cts.; 10 lbs. $1.60; 25 lbs. $3.75.

Unrivaled Wax. This very productive sort is ready in about 60 days from planting. The beautiful light yellow pods are 5½ inches long, semi-flat, fleshy, of fine texture and flavor. A vigorous grower; almost blight-proof. Popular with gardeners and well adapted to home gardens. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 85 cts.; 10 lbs. 1.55; 25 lbs. $3.65.

WEBER WAX (Crackerjack Wax). A high-quality early variety. Bright yellow pods 6 to 6½ inches long, quite broad and uniformly curved, fleshy, stringless and brittle. 59 days. Large Pkt. 10c; ½lb. 20c; lb. 35c; 5 lbs. 80c; 10 lbs. $1.50; 25 lbs. $3.50.

IMPROVED GOLDEN WAX. An old-timer but rather out of date now. Has 4-inch flat yellow pods. 61 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 80 cts.; 10 lbs. $1.50; 25 lbs. $3.50.

LIVINGSTON'S PENCIL-POD WAX (Refugee Wax). 64 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 80 cts.; 10 lbs. $1.50; 25 lbs. $3.50.

DAVIS WHITE WAX. Has a beautiful flat yellow pod which will stand shipping. It is too tough, however, for home-gardens. 58 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 80 cts.; 10 lbs. $1.50; 25 lbs. $3.45.

Sure-Crop Wax Bean

Shell Beans—For Dry Winter Use

FRENCH HORTICULTURAL. 70 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 85 cts.; 10 lbs. $1.60; 25 lbs. $3.75.

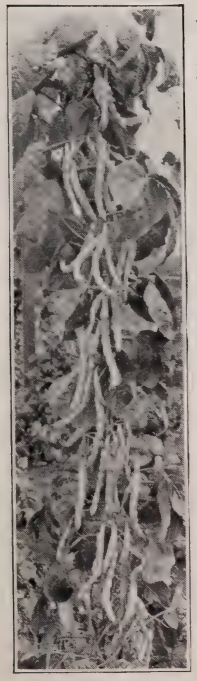
DWARF HORTICULTURAL. 65 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 80 cts.; 10 lbs. $1.50; 25 lbs. $3.50.

ROBUST PEA. (Improved White Navy.) Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 65 cts.; 10 lbs. $1.05, 25 lbs. $2.40.

WHITE MARROW. Large Pkt. 10c; ½lb. 20c; lb. 30c; 5 lbs. 65c; 10 lbs. $1.20; 25 lbs. $2.75.

WHITE KIDNEY. Large Pkt. 10c; ½lb. 20c; lb. 30c; 5 lbs. 65c; 10 lbs. $1.20; 25 lbs. $2.75.

RED KIDNEY. Large Pkt. 10c; ½lb. 20c; lb. 35c; 5 lbs. 70c; 10 lbs. $1.30; 25 lbs. $3.00.



Kentucky Wonder Bean

Pole or Running Beans

Culture—The Pole or Running varieties are tender and should be sown two weeks later than Bush Beans. They succeed best in sandy loam, which should be liberally enriched with manure. Form hills 3 to 4 feet apart; plant three to six Beans in a hill, 2 inches deep; leaving space in center for the pole. When well started, thin to form 2 to 4 plants in the hill.

Two pounds will make 100 to 200 hills, according to size of Beans

Kentucky Wonder. or OLD HOMESTEAD. An old favorite with long, deep saddle-back, stringless pods. Long season; very prolific; best quality. 78 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 85 cts.; 10 lbs. $1.60; 25 lbs. $3.75.

Kentucky Wonder Wax. Similar to above, except has light waxy yellow pods. Thick; flat; very tender and stringless. 76 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 95 cts.; 10 lbs. $1.80; 25 lbs. $4.25.

LAZY WIFE. Medium green, broad, flat 6 inch pods. Stringless. 75 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 85 cts.; 10 lbs. $1.60; 25 lbs. $3.75.

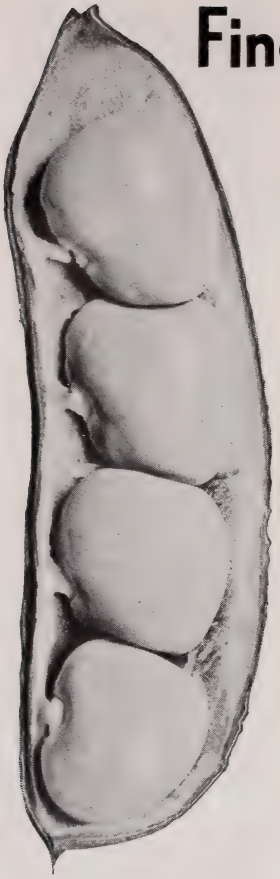
McCaslan Pole. Fine for snaps and dry shell use. Pods 8 inches, medium green, slightly flat. Seeds white. Good quality. 65 days. Large Pkt. 10c; ½lb. 20c; lb. 35c; 5 lbs. 90c; 10 lbs. $1.70; 25 lbs. $4.00.

IDEAL MARKET. *New.* It is claimed that this variety will mature eight to ten days ahead of Kentucky Wonder. Pods 5 inches long, round, green, and entirely stringless. It is very productive and of good quality. Large Pkt. 10c; ½lb. 20c; lb. 35c; 5 lbs. 95c; 10 lbs. $1.80; 25 lbs. $4.25.

SPECKLED CRANBERRY (Bird Egg Bean or Horticultural Pole). Midseason sort. Straight; flat; 5 inch pods. Shell Beans only. 72 days. Large Pkt. 10c; ½lb. 20c; lb. 35c; 5 lbs. 85c; 10 lbs. $1.60; 25 lbs. $3.75.

BUSH AND POLE LIMA BEANS ARE OFFERED ON NEXT PAGE

Fine Flavored Bush Lima Beans



Fordhook Bush Lima Bean

Culture—Limas are tender and must be planted after all danger of frost is over. Make rows 2 to 3 feet apart and plant beans on edge with eyes down every 6 to 8 inches. Cover to depth of 1 inch. Cultivate well, only when they are dry and up until they blossom.

One pound will plant 150 feet of row.

Fordhook. The one best Bush Lima. Outsells all others. The stiffly erect bushes branch freely and bear tremendous crops. It is ready for use quite early. The Beans are very fat, are closely packed in the pods, shell very easily and remain green a long time. Pods are borne in clusters of from four to six, average 4 to 5 inches long, and contain usually four tender Beans of a delightful flavor. 75 days. Large Pkt. 10 cts.; ½lb. 25 cts.; lb. 45 cts.; 5 lbs. $1.35; 10 lbs. $2.60; 25 lbs. $6.25.

Burpee's Improved. This has uniformly larger pods than the original Burpee's Bush Lima and the Beans are thicker and remain green even in the dry stage. The plants are very prolific, bearing pods in clusters of from five to seven, the individual pods averaging 5 inches long and containing up to six Beans. The Beans are thin-skinned and of delightful flavor. 75 days. Large Pkt. 10 cts.; ½lb. 25 cts.; lb. 40 cts.; 5 lbs. $1.15; 10 lbs. $2.20; 25 lbs. $5.25.

New Wonder. The bushes grow about 20 inches high. Pods are smaller than Burpee's Improved; Beans slightly smaller; a few days earlier, and quite productive. A sure cropper. Very true to bush form. 70 days. Large Pkt. 10 cts.; ½lb. 25 cts.; lb. 40 cts.; 5 lbs. $1.05; 10 lbs. $2.00; 25 lbs. $4.75.

HENDERSON'S. The Baby Lima. Beans and pods are small. Very productive and a sure cropper. 65 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 90 cts.; 10 lbs. $1.70; 25 lbs. $4.

WOOD'S PROLIFIC. An improved Henderson's Bush Lima, as the Beans are larger and thicker. 65 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 95 cts.; 10 lbs. $1.80; 25 lbs. $4.25.

Pole Lima Beans

One pound of medium-sized Lima Beans will plant 150 hills, three Beans to the hill

Early Leviathan. The earliest of the large-podded sorts. The pods are 5 to 6 inches in length and often contain five to six large, flat, pale green Beans of excellent quality. Very productive. 80 days. Large Pkt. 10 cts.; ½lb. 25 cts.; lb. 40 cts.; 5 lbs. 95 cts.; 10 lbs. $1.80; 25 lbs. $4.25.

Giant-Podded. **The largest podded Lima in cultivation;** extremely vigorous in growth; midseason. Pods measure about 7 inches long by 1½ inches broad and are borne in clusters of six to eight; Beans extra large and of excellent quality. 88 days. Large Pkt. 10 cts.; ½lb. 25 cts.; lb. 40 cts.; 5 lbs. 95 cts.; 10 lbs. $1.80; 25 lbs. $4.25.

KING OF THE GARDEN. Vigorous grower, pods containing five to six large Beans, which are of fine quality. The vines grow strong and yield heavily. Very fine variety. 84 days. Large Pkt. 10 cts.; ½lb. 25 cts.; lb. 40 cts.; 5 lbs. 95 cts.; 10 lbs. $1.80; 25 lbs. $4.25.

Ask for special prices on Beans in larger quantities.

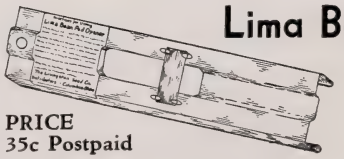
SPECIAL BEAN COLLECTION

GIANT STRINGLESS GREEN-POD
Popular for Canning
SURE-CROP WAX
A Big Yielder

FORDHOOK BUSH LIMA BEAN
The Most Popular

1 pkt. ea. (Value 30c) 25c
1 lb. ea. (Value $1.15) 90c

Lima Bean Pod OPENER



PRICE
35c Postpaid

A little device that makes the opening of Lima Beans easy and fast and prevents sore fingers. Used by many market gardeners. If you grow many Limas you should add this handy Opener to your order.

Spargekohl **Broccoli** *Broculi*

Culture—Belongs to the same family as the cauliflower, but of a little coarser texture. More hardy and therefore better adapted to a wider range of conditions. Sow the seed ½ inch deep in the same manner as for late cabbage, in May, and transplant in June or July, in very rich soil about 2½ by 1½ feet apart.

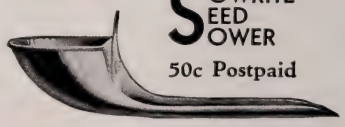
One ounce of seed will sow 100 feet of row. About 2500 plants to an ounce.

Italian Green Sprouting. A new sprouting type with delicious flavor. Forms large center head of bluish green and develops numerous branch heads for later use. Served the same as Cauliflower. 43 days from trans. Pkt. 10 cts.; ½oz. 25 cts.; oz. 45 cts.; ¼lb. $1.40.

EARLY LARGE WHITE. Medium size, close and compact; sure to head. 60 days from trans. Pkt. 5 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. $1.15.

SPECIAL BEET COLLECTION

EARLY WONDER
DETROIT DARK RED
EDMAND'S BLOOD TURNIP
1 pkt. ea. (val. 15c) 10c
1 oz. ea. (val. 30c) 25c



50c Postpaid

SOWS SEED AT A TOUCH
Hold with one hand, tap lightly with other. Adjustable regulator. Takes all seed up to Sweet Peas. Saves seed!

WE GIVE QUICK SERVICE THAT WILL PLEASE YOU

Choice Table Beets

Culture—The soil best suited for the culture of the Beet is that which is rather light, well fertilized. If wanted very early, sow in hotbeds and transplant; but for main crop sow in the spring, as soon as the ground becomes fit to work, in drills 1½ feet apart, ½ inch deep. For winter use, the turnip varieties may be sown as late as June and the seed covered 2 inches. When the plants are 3 to 4 inches in height, thin out so that they stand 3 to 4 inches apart. Keep free from weeds by frequent hoeing and hand-weeding if necessary. Before freezing weather sets in the roots may be stored in cellars or pits, same as potatoes. Dry earth thrown over them before the straw is put on insures their keeping over winter.

One ounce of seed will sow 50 feet of drill; 5 to 6 lbs. to the acre

Best home-garden and canning variety

Detroit Dark Red Beet

Detroit Dark Red.

The most popular red turnip beet, not only for market gardeners but for home garden use, especially for canning. The tops are small, uniform, upright in growth, with deep red veins; roots are globular, smooth and very uniform in shape, color and quality; flesh is deep, bright red, zoned darker. 50 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 30 cts.; lb. $1.

Perfected Detroit.

Received Award of Merit, All-American Selections, 1934. Superior to any variety yet introduced. Comes 90% true to exactly the same shade of dark red color and does not show any white rings. Tops are medium and their close, compact attachment leaves a larger portion of the root edible. Roots are globular, very smooth and uniform. Excellent for canning. Illustrated on page 8. 48 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.50.

Crosby's Improved Egyptian.

A very early, superior variety. Has few small tops and very small tap-root. Takes on its turnip shape in early stages of growth, making it much preferred for both first early crop and late sowing. Skin is dark red; flesh somewhat lighter. After boiling, it has a uniform bright red color and a delicious flavor. 45 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 30 cts.; lb. $1.

Early Wonder.

A fine selection from Crosby's Egyptian, being a little smaller in size. Averages more full on the bottom and come a little earlier. The demand for Early Wonder is growing several hundred pounds annually. It is a turnip-shaped variety of very uniform type and is always smooth. Flesh is a beautiful deep red color, more uniform than Crosby, and is of excellent quality. Tops are small and erect and it may therefore be planted closer than most other sorts, thereby increasing yield. 50 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 30 cts.; lb. $1.00.

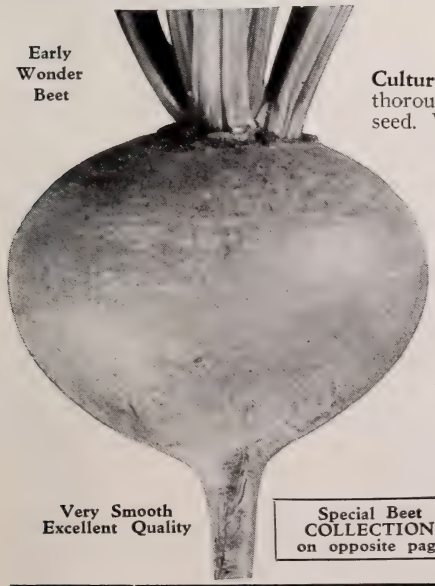
EXTRA-EARLY DARK RED EGYPTIAN. Not quite as early as Crosby's Egyptian and more flattened. Dark blood-red, medium size, tender and sweet. Good for forcing. 46 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 85 cts.

EARLY ECLIPSE. Small tops, bright, deep red roots, slightly top-shaped. A good old sort but being displaced by Detroit Dark Red. 50 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.

CRIMSON GLOBE. Late main-crop variety. Roots medium, globe-shaped and smooth. Skin and flesh deep red. 54 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 85 cts.

EDMAND'S BLOOD TURNIP. Second-early sort. Root smooth, round, dark red and very uniform. Among the best for table use. 57 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 85 cts.

DEWING'S IMPROVED BLOOD TURNIP. Main-crop variety. Big yielder. Sow late for winter storage. 56 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.



Early Wonder Beet

Very Smooth Excellent Quality

Special Beet COLLECTION on opposite page

Beets for Stock Feeding

Culture—Sow in rows 2½ to 3 feet apart as soon as the ground can be thoroughly worked. Cover seed about 1 inch, making ground firm over the seed. When 4 inches high, thin to 8 inches apart.

Mangel-Wurzels

MAMMOTH LONG RED. Large, dark red. Big cropper. Dairymen's favorite. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 15 cts.; lb. 50 cts.; 5 lbs. $2.; 10 lbs. $3.75.

GOLDEN TANKARD. Yellow; tops and neck small; productive; relished by sheep and cows. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 15 cts.; lb. 50 cts.; 5 lbs. $2.; 10 lbs. $3.75.

Golden Giant Intermediate. (Yellow Leviathan). White flesh. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 15 cts.; lb. 50 cts.; 5 lbs. $2.

Sugar Beets

KLEIN WANZLEBEN. Greatest milk-producer. Rich in sugar. Yield almost equal to mangels. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.; 5 lbs. $2.25.

GIANT HALF-SUGAR ROSE. Heavy yielder. Roots grow partly out of ground. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.; 5 lbs. $2.25.

GIANT HALF-SUGAR WHITE. Similar to above, only white. Pkt. 5 cts; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.; 5 lbs. $2.25.

Ask for prices on large lots of both Mangels and Sugar Beets

Weisskraut Best Cabbage

Marion Market Cabbage

Culture.—Cabbage does best in rich, mellow, well fertilized soil. For early, sow seed inside in a box or in hot-bed early in February. Transplant into other boxes later and harden off by gradual exposure outside. Transplant outside in April in rows 2 feet apart and 1½ feet in the row. Set plants down to the first leaf and do not cover the heart with soil. Cultivate often and deeply. For later Cabbage, sow seed outside when soil can be worked and transplant in about four weeks. Late Cabbage can be sown ½ inch deep in May and transplanted in July. Maturities given are from date of transplanting.

One ounce of seed produces about 2,500 plants
4 ounces produces enough plants to set an acre

Early Varieties

Copenhagen Market. A splendid extra-early round-headed sort which matures as early as the Wakefields and is of larger size. Practically every plant forms a perfect, tightly folded head averaging 5 to 8 pounds in weight. The compact growth of the plant, the solidity of the head, its excellent flavor, and extreme earliness—all combine to make Copenhagen Market one of the most popular early Cabbages. Illustrated on page 8. 66 days. Pkt. 5 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. 85 cts.; lb. $2.50.

Mrs. H. A. Tayner, Pickaway County, Ohio, writes: *"Everything I bought this spring turned out fine."*

Marion Market. **(Copenhagen Yellows-resistant.)** Same type but resistant to yellows. If you are unable to grow a satisfactory crop because of this disease, we recommend this variety; otherwise we suggest you use our Copenhagen Market. 69 days. Pkt. 10 cts.; ½oz. 25 cts.; oz. 45 cts.; ¼lb. $1.35; lb. $4.

Golden Acre. A fine strain from Denmark—the home of fine cabbages. Produces uniform, quite round heads of medium size, with small outer leaves, about a week ahead of Copenhagen. Very firm, being equal to any of the late sorts in this respect. Being hardy, it will stand a long time without bursting. 55 days. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.15; lb. $3.50.

Special Strain Golden Acre. Comes direct from our Denmark Grower. Matures at least a week ahead of other earlies. If you want something unusual for special dishes, grow this one. 50 days. Pkt. 10 cts.; ½oz. 30 cts.; oz. 50 cts.; ¼lb. $1.60; lb. $5.00.

Early Jersey Wakefield. Considered by many as best early variety. Pyramidal in shape, with blunted peak; very sweet. Large heads for an early sort. Seed offered is from best growers. 62 days. Pkt. 5 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. 75 cts.; lb. $2.00.

LARGE CHARLESTON WAKEFIELD. A selection from the above. Grows larger heads, often 8 to 10 pounds, but comes about a week later. 66 days. Pkt. 5 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. 75 cts.; lb. $2.00.

Golden Acre Cabbage

Glory of Enkhuizen Cabbage

Second Early Varieties

Glory of Enkhuizen. Larger than Copenhagen Market, and quite round. A long-keeping sort. Dwarf and compact, allowing of close planting. Heads fine, ball-shaped. 72 days. Pkt. 5 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. 75 cts.; lb. $2.00.

GLOBE (Yellows-resistant Enkhuizen). Same as Glory of Enkhuizen in type and maturity but possesses the distinct quality of an unusually short core. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 45 cts.; ¼lb. $1.25; lb. $3.75.

All-Season. **(Vandergaw.)** Heads very large, round, solid, and of fine quality, keeping as well as the winter sorts. Remarkable for its ability to stand hot sun and dry weather. Does not head up all at once. 76 days. Pkt. 5 cts.; ½oz. 15 cts.; oz. 25 cts.; ¼lb. 65 cts.; lb. $1.75.

YELLOWS RESISTANT ALL-SEASONS. 85 days. Pkt. 5 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. 85 cts.; lb. $2.50.

HENDERSON'S EARLY SUMMER. An old standard with many growers. Heads large, flattened, and of good quality. 78 days. Pkt. 5c; ½oz. 15c; oz. 25c; ¼lb. 65c; lb. $1.75.

for All Seasons *Gol repollo*

Second Early Varieties - - - Continued

Allhead Early. Deep, flat, solid head, remarkably uniform in size, shape and color. Very compact and may be planted closely. For winter use, sow in July. 70 days. Pkt. 5 cts.; ½oz. 15 cts.; oz. 25 cts.; ¼lb. 65 cts.; lb. $1.75.

YELLOWS RESISTANT ALLHEAD EARLY. 73 days. Pkt. 5 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. $1.00; lb. $3.

EARLY DWARF FLAT DUTCH. Large, round, flattened heads with solidity and tenderness. Highly valued for its ability to resist heat. 76 days. Pkt. 5 cts.; ½oz. 15 cts.; oz. 25 cts.; ¼lb. 65 cts.; lb. $1.75.

EARLY WINNIGSTADT. Well-known and popular second-early Cabbage. Heads decidedly conical. Solid, even in summer; almost worm-proof, because so hard. A sure header. 72 days. Pkt. 5c; ½oz. 15c; oz. 25c; ¼lb. 65c; lb. $1.75.

SUCCESSION. Large, sure header with short outer leaves. Good quality. 76 days. Pkt. 5 cts.; ½oz. 15 cts.; oz. 25 cts.; ¼lb. 65 cts.; lb. $1.75.

Danish Ballhead Short-Stem Cabbage

Late Varieties

Livingston's Premium Flat Dutch. The main-crop late variety. Because of its solidity and compact manner of growth, it is a heavy yielder. The heads are large, white, crisp, tender, and sure to head. Grown largely for kraut-making in the autumn. 85 days. Pkt. 5c; ½oz. 15c; oz. 25c; ¼lb. 65c; lb. $1.75.

LIVINGSTON'S AMERICAN BALLHEAD. The name is self descriptive. Seed comes from an American grower of more than thirty years' experience. 85 days. Pkt. 5 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. $1.; lb. $3.

THE VOLGA. Round, uniform heads measuring up to 12 inches in diameter. Very solid; color white; extremely hardy. 91 days. Pkt. 5 cts.; ½oz. 15 cts.; oz. 25 cts.; ¼lb. 65 cts.; lb. $1.75.

Use "True Blue" Seeds for best results.

Danish Ballhead Short-Stem. **(Hollander, Dutch Winter).** A splendid variety well known for its solidity, weight and superb keeping qualities. (See illustration above.) The most popular of all the late Ballhead types. Stock is grown for us by one of the best Danish growers. 83 days. Pkt. 5 cts.; ½oz. 20 cts.; oz 35 cts.; ¼lb. 85 cts.; lb. $2.50.

HOLLANDER, YELLOWS RESISTANT. A strain of Danish Ballhead which is resistant to "Yellows." Should be used where this disease is prevalent. 91 days. Pkt. 5 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. $1.00; lb. $3.00.

SUREHEAD. Large, round flattened head with few loose leaves. Good keeper. Late home garden sort. 86 days. Pkt. 5c; ½oz. 15c; oz. 25c; ¼lb. 65c; lb. $1.75.

Red Cabbage

Danish Ironball. As round as a ball and as hard as iron. Heads grow to large size, averaging 8 ins. in diameter, of rich color throughout. Illustrated on page 11. 80 days. Pkt. 5 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. $1.00; lb. $2.75.

We pay Transportation. See page 1.

RED HOLLANDER, YELLOWS RESISTANT. Same as Danish Ironball but is proof against the yellows disease. 84 days. Pkt. 5 cts.; ¼oz. 20 cts.; ½oz. 30 cts.; oz. 50 cts.; ¼lb. $1.60.

MAMMOTH ROCK RED. Hard, large heads, deep red to center. 84 days. Pkt. 5 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. 85 cts.; lb. $2.50.

Savoy Cabbage

IMPROVED AMERICAN SAVOY. (Perfection D.H.) Finely curled, large head on short stalk; keeps well; 84 days. Pkt. 5 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. 75 cts.; lb. $2.

SMALL EARLY SAVOY. Best early. Heads firm, solid, beautifully crimped; finest quality. 73 days. Pkt. 5 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. 85 cts.; lb $2.25.

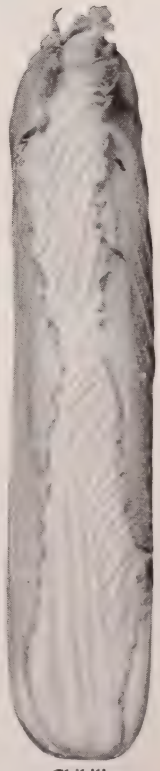
Chinese Cabbage

Also known as "Celery Cabbage," "Odorless Cabbage," "Chinese Lettuce," etc.

It is a species of Cabbage with a fine delicate flavor, as tender as head lettuce, and in great demand for numerous dishes, such as salads and cole slaw, or it may be cooked quickly. It cannot be grown successfully here as a spring crop. For fall crop, sow early in August.

CHIHILI. This variety runs very true to type. Length of head is about 16 inches. Outer leaves dark bluish green, while the inside is creamy white and of fine quality. Pkt. 5 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. $1.00; lb. $3.

WONG BOK. Heads are short and heavy. Beautifully curled leaves of fine quality. Pkt. 5 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. 85 cts.; lb. $2.50.



Chihili Chinese Cabbage

Chantenay Carrot

Möhren Nutritious Carrots *Zanaborias*

Culture.—Sow in early spring in drills 15 to 18 inches apart, finally thinning the plants to 3 to 4 inches apart. If sown early on moist soil, a half-inch is deep enough to cover the seed. The seed is slow to germinate. Keep clean by frequent hoeing and weeding. If neglected, the young plants are easily smothered, and the crop lost.

One ounce sows 100 feet of drill; 4 pounds sow one acre

Improved Chantenay. It is about 6 inches long, thick through, and decidedly stump-rooted. In size it is between the Oxheart and Danvers. The flesh is a deep orange-red, fine-grained. Very early and produces smooth, shapely roots. One of the best for home-gardens. 69 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 40 cts.; lb. $1.35.

Red-Cored Chantenay. *New.* A true Chantenay but has uniform color throughout, making it appear coreless. 69 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.50.

Winter Perfection. *New.* The best so-called coreless Carrot yet introduced; its deep orange color extends right through to the center. About 7 to 8 inches long, very smooth and cylindrical, being practically the same size from crown to bottom. Tops rather short. Ideal for home gardens and fall crops. Illustrated on page 8. 78 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 50 cts.; lb. $1.75.

Improved Danvers. **(Half-Long.)** The best for general crop purposes. Productive in and adaptable to all classes of soil. Tops medium size, roots deep orange, medium length, tapering to a blunt point. Smooth, sweet and tender. 75 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

Nantes Half-Long. Early, fine-grained, sweet variety for the home-garden. It is almost coreless and of medium size, being about 6 inches long. 70 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 40 cts.; lb. $1.35.

Hutchinson. A selection from the Danvers. Slightly darker orange skin, an inch or two longer. 72 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.50.

OXHEART. Early; intermediate in length and diameter. Adapted to shallow soils. 74 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.15.

IMPROVED LONG ORANGE. 80 days. Pkt. 5c; oz. 10c; ¼lb. 30c; lb. $1.

LARGE WHITE BELGIAN. 80 days. Pkt. 5c; oz. 10c; ¼lb. 25c; lb. 75c.

Blumenkohl You Should Grow Cauliflower *Coliflor*

Culture.—Cauliflower delights in a rich, moist soil, and in dry seasons should be abundantly watered, especially when heading. Sow the seed in the hotbed in January or February and transplant the plants 2 to 3 inches apart in boxes, or in another hotbed, until such time as they may safely be planted in the open ground. Set the plants in the field 2 feet by 15 inches apart. When heading tie the outside leaves loosely over the head to protect it from the sun.

One ounce will produce 3,000 plants

Dry-Weather. This is a fine, large, heavy, pure white variety that matures later than Snowball. Best for **dry localities** on account of its large leaves which furnish greater protection to the heads. 60 days from trans. Pkt. 15 cts.; ¼oz. 50 cts.; ½oz. 90 cts.; oz. $1.75; ¼lb. $6.25.

Henderson's Early Snowball. Heads of medium size, compact, and very white. Has few short, upright leaves. A very sure header. 55 days from trans. Pkt. 15 cts.; ¼oz. 50 cts.; ½oz. 90 cts.; oz. $1.75.

SUPER SNOWBALL. An extra-fine selection of Early Snowball. Same maturity. Pkt. 15 cts.; ¼oz. 80 cts.; ½oz. $1.50; oz. $2.75.

Livingston's Earliest. Our Danish grower spares no pains or expense with this seed stock. For wintering in coldframes for early crop it cannot be excelled, and it does equally well for a fall crop if planted late and treated the same as late Cabbage. Has taken the place of many of the late varieties on account of its fine texture, pure white heads, and large uniform size. 52 days from trans. Price, under our "True Blue" Seal, pkt. 15c; ¼oz. 60c; ½oz. $1; oz. $1.90; ¼lb. $6.75.

Livingston's Earliest Cauliflower

Delicious Celery

One ounce will produce 4,000 plants, 10 to 12 ounces to an acre.
Complete cultural leaflet on request.

Golden Plume. This is a selected strain of Golden Self-blanching, having a beautiful golden color and that rich, nutty flavor so much desired by lovers of fine Celery. It resists blight and rust to a remarkable degree, matures quite early, and keeps a long time. Pkt. 10c; ¼oz. 25c; ½oz. 40c; oz. 70c; ¼lb. $2.15.

Giant Pascal. Forms solid, crisp stalks of rich, nutty flavor. Strong grower, blanching easily to rich creamy white. Fine keeper for mid-winter use. Pkt. 5 cts.; ¼oz. 20 cts.; ½oz. 30 cts.; oz. 50 cts.; ¼lb. $1.50; lb. $4.50.

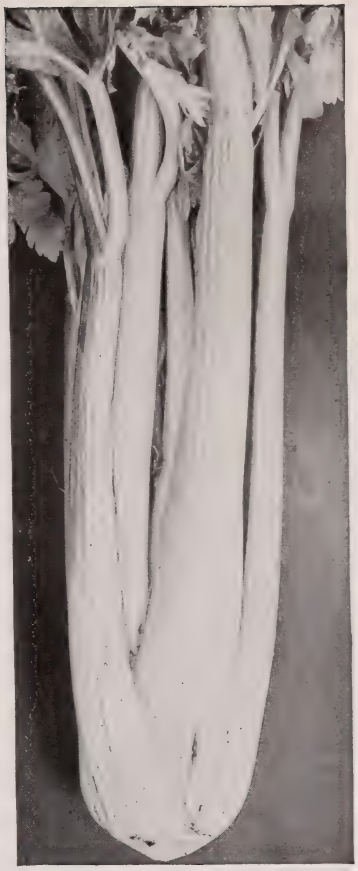
Livingston's Selected Giant Pascal. Our own selection and growing of a select strain of Giant Pascal which is entirely free from "hollow stalk." A favorite with market gardeners. Pkt. 15 cts.; ¼oz. 80 cts.; ½oz. $1.50; oz. $2.75.

Golden Phenomenal. **(New.)** Similar to Golden Plume, but taller. It is 27 to 28 inches and 8 to 9 inches to the first joint. The season is the same as Golden Plume. Plants heavy and compact, full hearted, and not inclined to be sprangly; stems broad, thick, brittle, free from strings, of fine flavor and excellent quality. Illustrated on page 8. Pkt. 10 cts.; ¼oz. 40 cts.; ½oz. 60 cts.; oz. $1.00; ¼lb. $3.

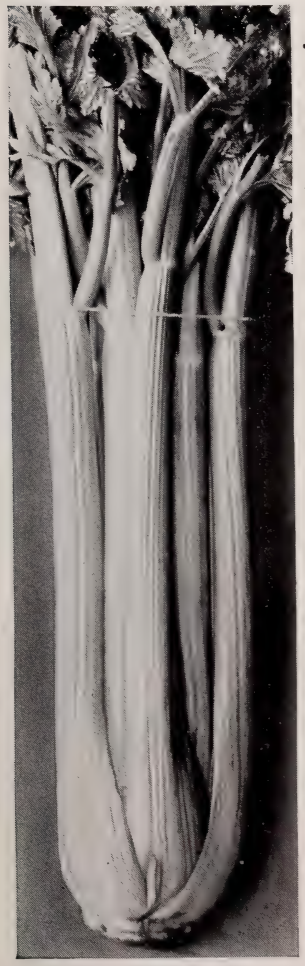
Golden Self-Blanching. Of French origin. Heavy, compact plants that grow to good size. It is very tender, solid, crisp, heart large, of excellent quality and beautiful golden color.

DWARF STRAIN. A splendid strain. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 45 cts.; ¼lb. $1.35; lb. $4.

TALL STRAIN. From one of the most careful growers. **New Strain.** Early. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 45 cts.; ¼lb. $1.35; lb. $4.



Golden Plume Celery



Giant Pascal Celery

Easy-Blanching. White, brittle stalks of excellent flavor; strong grower. Blanches easily and is adaptable to both early and winter storage use, making it especially suitable for home gardeners. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.15; lb. $3.50.

COLUMBIA. Early-maturing; medium height but stocky. Stalks are almost round and have a rich yellow tint. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.15; lb. $3.50.

EMPEROR. A distinct dwarf type about 15 inches tall; easily blanched. Stalks white with heart tinged yellow. Pkt. 5 cts.; ¼oz. 20 cts.; ½oz. 30 cts.; oz. 50 cts.; ¼lb. $1.60; lb. $5.

White Plume. Adapted to fall and early winter use. Pkt. 5 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. $1.; lb. $3.

Winter Queen. Pkt. 5 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. 85 cts.; lb. $2.50.

Celeriac--Turnip-Rooted Celery

Sow the seed same as for Celery. Transplant into rows 2 feet apart and 9 inches in the row. Thorough cultivation is necessary to secure good roots. The roots may be cooked or used as salad.

GIANT SMOOTH PRAGUE. Pkt. 5 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. 85 cts.; lb. $3.

Kresse Cress or Pepper Grass *Berro*

One ounce will sow 100 feet of drill

EXTRA-CURLED. A well-known and very agreeable pungent salad; can be used alone or with lettuce. Requires to be sown thickly, at frequent intervals, covering very lightly, to keep up a succession, as it soon runs to seed. May be cut two or three times. Pkt. 5c; oz. 10c; ¼lb. 25c; lb. 75c.

TRUE WATER. Well-known hardy perennial aquatic plant. Is easily grown along margins of ponds and streams. Has a pleasant, pungent flavor. Pkt. 5 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. $1; lb. $3.50.

UPLAND. Hardy perennial; stays green nearly whole year; ready for use before any other salad. Sow in April in rows 1 foot apart. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 40 cts.; lb. $1.35.

E. F. Hines, Fayette County, Pennsylvania, writes: *"I received my order of seeds o. k. and am well pleased with the seed. They are superior to other seed that I have bought this year, and also thank you very much for your prompt attention. I received the order much sooner than expected. You can depend on orders from me from time to time."*

Livingston's Finest

Livingston's Early Sugar Corn

Delivered Free Anywhere in the United States. See Page 1

Culture.—The Sweet or Sugar Corn varieties, being liable to rot in cold or wet ground, should not be planted until May, or when the soil has become warm and dry. For a full supply for the table during the entire season, plant every ten days or two weeks until the last week in July, in hills 2 by 3 feet apart for the early kinds, and 3 by 3 feet for the large late sorts, using four or five grains to the hill. Cover seed 1 inch. Give frequent and thorough cultivation all the season.

One pound plants 300 feet of row. 12 to 16 pounds to an acre
1½ pounds equals 1 quart, 12 pounds a peck, 48 pounds a bushel

Livingston's Early Sugar.

Here is a very distinct and a very valuable addition to the early Sweet Corns. As compared with other good early sorts, it has bigger ears with more even rows which are filled well to the tip. Ears average 8 inches long by 2 inches in diameter, have from 10 to 12 rows of deep, broad, pearly white kernels of delightfully sweet flavor. Sixty per cent of the stalks carry two well-developed ears which are usually placed 2 to 3 feet above ground. It has a remarkably strong husk which protects the ears to some extent from ravages of insects. 80 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 65 cts.; 10 lbs. $1.20; 25 lbs. $2.75.

Whipple's Early White.

Of the Evergreen type, but ready for use much earlier. Comes only about a week later than the small extra-early sorts but is much larger. Ears 8 to 9 inches long, 16 to 18 rows of pearly white and very sweet grains. One of the best for market or home-gardens. 79 days. Large Pkt., 10c; ½lb. 20c; lb. 30c; 5 lbs. 70c; 10 lbs. $1.30; 25 lbs. $3.

Gill's Early Market.

The very earliest white Sweet Corn for market. Stalks are about 3½ feet high with ears set close to the ground. Ears 6 to 7 inches long, rather blocky in form, of good size, with white cob and grain of good quality. Plant Early Market for first early crop. 69 days. Large Pkt. 10c; ½lb. 20c; lb. 30c; 5 lbs. 80c; 10 lbs. $1.50; 25 lbs. $3.50.

ALPHA. Very early and of fair quality. Ears average 6 to 7 inches long. Stalks average 4 feet high. Desirable for early market. 65 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 75 cts.; 10 lbs. $1.40; 25 lbs. $3.25.

Howling Mob.

One of the best-flavored and most tender of all medium-early white Sweet Corns. The ears are 7 to 8 inches long with 12 to 14 rows of pure white grains. 80 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 65 cts.; 10 lbs. $1.20; 25 lbs. $2.75.

Columbus Market.

The ears, often 10 inches long, carry an average of 16 rows of fine, large, deep, white and very sweet grains, which are second to none in tenderness and flavor. The stalk is very strong, of medium height; the leaves broad and dark green in color, a habit of growth which gives it great endurance. **Very desirable for the home-garden.** 85 days. Large Pkt. 10c; ½lb. 20c; lb. 30c; 5 lbs. 70c; 10 lbs. $1.30; 25 lbs. $3.

KENDEL'S EARLY GIANT. Ears large, 8 to 9 inches long, with 10 or more rows of plump white kernels of delicious flavor. 80 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 65 cts.; 10 lbs. $1.20; 25 lbs. $2.75.

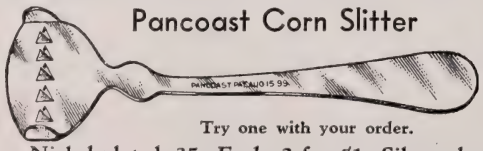
EARLY EVERGREEN. An early strain of Evergreen. The ears grow to a good size, usually about 7 inches long, and contain 16 to 18 rows of deep, sweet grains. 87 days. Large Pkt. 10c; ½lb. 20c; lb. 30c; 5 lbs. 65c; 10 lbs. $1.20; 25 lbs. $2.75.

EARLY MAYFLOWER. 5 inch ears with 10 to 12 rows of white grains. 75 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lb. 65 cts.; 10 lbs. $1.20; 25 lbs. $2.75.

MAMMOTH WHITE CORY. Extra early; 7 inch ears. 72 days. Large Pkt. 10 cts. ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 70 cts.; 10 lbs. $1.30; 25 lbs. $3.

Gill's Early Market Corn

Pancoast Corn Slitter



Slits every grain on a cob of corn in three or four strokes. Does not remove the grain but cuts it. Excellent for preparing corn for muffins, fritters, etc. Slit the grains and push them into a dish with front of slitter, used as a scoop.

Try one with your order.

Nickel-plated, 35c Each, 3 for $1; Silver-plated, 75c Each, 3 for $2; Ppd.

Sweet or Sugar Corns

Livingston's Broad-Grained. For a number of years this variety has been closely selected to produce the broadest possible grains, and, at the same time, to retain its depth of grain and splendid quality. The ears are of 8-rowed type and 8 to 10 inches long. It is ready for use in about 80 days. There is no variety in our list we would recommend more highly for uniform size and quality. Large pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 65 cts.; 10 lbs. $1.20; 25 lbs. $2.75.

Stowell's Evergreen. A favorite with canners and market gardeners for late use, and especially for the kitchen-garden. Ears large, 8 to 9 inches long, kernels very deep, tender and of most delicious sweetness. 92 days. Large pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 70 cts.; 10 lbs. $1.30; 25 lbs. $3.

Country Gentleman. **One of the richest flavored of all the late varieties.** The plump, pearly white kernels are of great depth. Ears average 7 inches long by 2 inches in diameter. 96 days. Large pkt. 10c; ½lb. 20c; lb. 30c; 5 lbs. 75c; 10 lbs. $1.40; 25 lbs. $3.25.

Yellow or Golden Sweet Corns

Bantam Evergreen. **A Golden Evergreen.** Has the good qualities of Golden Bantam combined with those of the Evergreen. Comes just right in season to follow the early sorts. Color a rich golden yellow. Ears about 8 inches long and 2 inches thick. 90 days. Large pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 70 cts.; 10 lbs. $1.30; 25 lbs. $3.

Golden Sunshine. This new Corn will average about a week earlier than Golden Bantam. It has 12-rowed ears, 7 inches long, with deep yellow, deliciously sweet grains. Stalks grow only about 5 feet high. Especially valuable for its extreme earliness. 74 days. Large pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 70 cts.; 10 lbs. $1.30; 25 lbs. $3.

Golden Sunshine Corn

Whipple's Early Yellow. This new variety is double the size of Golden Bantam, only a few days later, and fine quality. The ear is 7 to 8 inches long and has 12 to 16 rows of large kernels. Stock grown from the originator's seed. 80 days. Large pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 70 cts.; 10 lbs. $1.30; 25 lbs. $3.

Golden Bantam. One of the most delicious of all Sweet Corns. Ears are about 6 inches long, 8-rowed, filled with broad, sweet, golden yellow kernels. 78 days. Large pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 70 cts.; 10 lbs. $1.30; 25 lbs. $3.

Livingston's Broad-Grained Corn

The New Hybrid Corn, Golden Cross Bantam.

A new hybrid, remarkably resistant to Stewart's Wilt; considered the best Bantam Corn developed to date. Stalks are sturdy, with broad, deep green leaves enabling it to better withstand adverse weather conditions; ears are 7½ to 8 inches long, 10 to 14 rowed and have that well known Golden Bantam quality. Marked increase in yield, uniformity of stalks and ears and the fact that all ears mature at practically the same time should be interesting to both home and market gardeners. Illustrated on page 8. 88 days. Large Pkt. 15 cts.; ½lb. 30 cts.; lb. 55 cts.; 5 lbs. $2.50; 10 lbs. $4.50; 25 lbs. $10.

BARDEN'S WONDER BANTAM. Same type, season and quality as Golden Bantam, but ears are 8 to 10 inches long. 80 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 70 cts.; 10 lbs. $1.30; 25 lbs. $3.

Pop-Corn

Japanese Hulless (Tom Thumb). A heavy yielder of short, thick, uniform ears and shells out heavy on account of very deep grains. It pops out a very large, pure white grain, and is of delicious quality. Very tender but retains its shape very well. Dwarf-growing. An excellent popper. Pkt. 5 cts.; ½lb. 15 cts.; lb. 20 cts.; 3 lbs. 50 cts.; 5 lbs. 75 cts.

WHITE RICE. Very productive; excellent quality; very crisp and delicious. Pkt. 5 cts.; ½lb. 15 cts.; lb. 20 cts.; 3 lbs. 50 cts.; 5 lbs. 75 cts.

"Out of Sight" Mole Trap

Claimed to be the best Mole Trap ever offered, and only has to be tried to be appreciated. **Can be used in hotbeds under sash.** Full directions with each trap.

$1.50 Postpaid

Livingston's Colorite Cucumber

Special Cucumber Collection

EXTRA EARLY WHITE SPINE
LIVINGSTON'S EVERGREEN PICKLE
LONGFELLOW
1 pkt. Ea. (Value 15c) 10c
1 oz. Ea. (Value 50c) 40c

Gurken Livingston's Home

Culture—As soon as the weather has become settled and warm, plant in hills 4 to 6 feet apart each way, with 8 to 10 seeds in a hill; cover ½ inch deep, smoothing the hill off with the hoe. Later, thin to 3 or 4 plants to a hill. For pickles, plant from June 1 to August 1. The fruit should be gathered when large enough for pickling, whether required for use or not, as if left to ripen on the vines, it destroys their productiveness.

One ounce of seed will plant about 50 hills; 2 to 3 pounds to the acre

Livingston's Colorite. A White Spine type. Its rich, dark green color extends well down to the blossom end. Straight and cylindrical, with medium blunt ends. Length averages 10 inches. Excellent for home use and a good shipper. 70 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

Livingston's Extra-Early White Spine. **The most thoroughbred, uniform and shapely variety of White Spine known, not only for first early, but for general crop as well.** Vines are vigorous growers. The very best for slicing, and makes choice pickles; straight and smooth. A great bearer and keeps green much longer than the yellow varieties. 60 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 30 cts.; lb. $1.

Arlington White Spine. An early and very productive Cucumber. Fruit quite uniform, about 7 inches long and well rounded at both ends, of bright green color. Used for early slicing and when planted late it produces good pickles. 63 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 30 cts.; lb. $1.

Early Fortune. A fine variety of White Spine type. The fruit is of uniform size and shape and is of very firm texture, thus permitting long-distance shipping. Popular in South. The skin, which is dark green, holds its color remarkably well and therefore remains in slicing condition longer than some of the other standard sorts. 66 to 70 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 30 cts.; lb. $1.

Green Prolific or **BOSTON PICKLING.** Of uniform growth, seldom too large for pickling; produces fine, short, green pickles, and is immensely productive. 53 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 30 cts.; lb. $1.

Livingston's Evergreen Pickling. *Introduced by us in 1890.* **Generally admitted to possess every qualification required in a perfect pickling Cucumber.** Exceptionally productive. It is a very strong grower, and bears firm, crisp, evergreen fruits, which are excellent for slicing. 65 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.15.

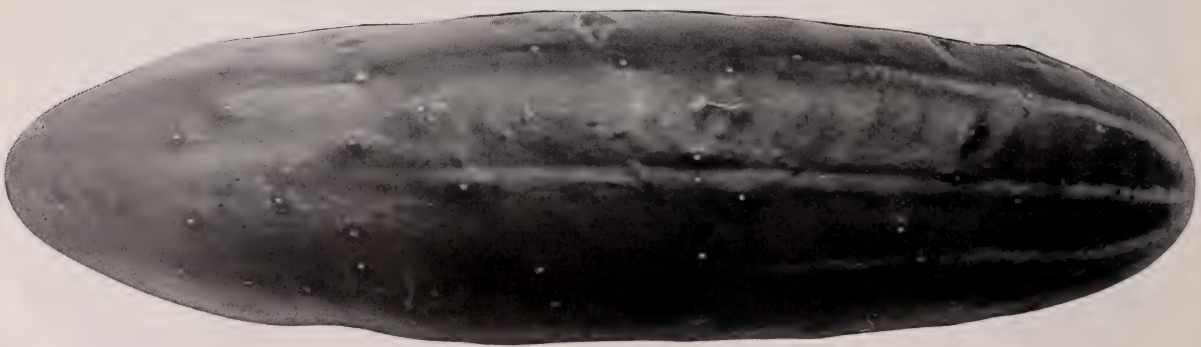
EARLY GREEN CLUSTER. The small, short prickly pickles are borne in great profusion in clusters of two and three. Fine for bottling. 53 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 30 cts.; lb. $1.

WESTERFIELD CHICAGO PICKLING. A deep green pickle of medium length, slightly pointed at ends. 53 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 30 cts.; lb. $1.

GHERKINS. Used only for pickles. Fruits small, oval, about 2 by 1¼ inches, covered with spines; color light green. 80 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

Davis Perfect. A fine dark green slicing variety which retains its color long after picking. The size and shape are ideal; 9 to 11 inches long; 2½ inches thick; tapering at both ends. Has few seeds which are so small and tender they are hardly noticeable. 68 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.15.

Mrs. Albert Loge, Ida County, Iowa, writes: *"We were well pleased with seeds ordered last year and shall re-order again this Spring."*



Davis Perfect Cucumber, a fine slicing variety

Garden Cucumbers *Cobombro*

Longfellow. An excellent, long, slender, dark green variety equally desirable for greenhouse forcing or outdoor culture, and an ideal type for the private garden or as a "straight pack" variety for shipment to market. It measures 12 to 14 inches long by 2½ inches in diameter. A good healthy grower, very productive, and is fairly early. 74 days. Pkt. 5 cts.; ½oz. 15 cts.; oz. 20 cts.; ¼lb. 65 cts.; lb. $2.

Improved Long Green. The vines are very strong-growing and productive. The fruits are quite long, averaging 8 to 10 inches in length, and dark green in color. This good old sort is very popular both as a slicer and for pickles. 72 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 40 cts.; lb. $1.35.

KLONDIKE. Excellent strain of White Spine, remarkable for the uniformly dark green skin of its shapely fruits. Popular with southern planters. 66 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 30 cts.; lb. $1.

EXTRA-LONG or EVERGREEN WHITE SPINE. Averages longer than other strains. Extra-fine shape and quality; makes a good pickle; may be grown under glass. 70 days. Pkt. 5c; oz. 15c; ¼lb. 35c; lb. $1.10.

Mrs. Florence Johnson, Fairfield Co., Connecticut, writes: *"Our family have bought seeds of your company over 30 years, and will continue to in the future as long as we do buy any."*

T. F. McDougal, Fairmont, West Virginia, writes: *"Back again after 2 years vacation with other seed companies. As long as I have a garden, you will get my order for seeds."*

Chicory for Salads

Culture—Sow seed ¼ inch deep in June in open ground, in rows 12 to 14 inches apart, keeping free from weeds; water if necessary. Take up the roots in November and cut off top to about 2¼ inches from the neck and shorten lower end to a uniform length of 8 to 10 inches. Prepare a trench 16 to 18 inches deep and place roots upright, 1½ inches apart. Fill in level with good, light soil and by covering with 1½ feet of manure any portion may be forced as needed. In four to five weeks the heads will be ready for use. The blanched head is the edible portion and is generally eaten raw as a salad.

One ounce will sow 100 feet of row. 4 pounds to an acre

WITLOOF (French Endive). High-grade general stock. Pkt. 5 cts.; oz. 20 cts.; ¼lb. 65 cts.; lb. $2.

WITLOOF, SELECTED FORCING. Especially selected stock for greenhouse forcing. Pkt. 5 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. $1.

Collards for Greens

A plant of the cabbage family. It is well adapted to the South, enduring extreme heat; excellent for greens.

One ounce will sow 100 feet of row

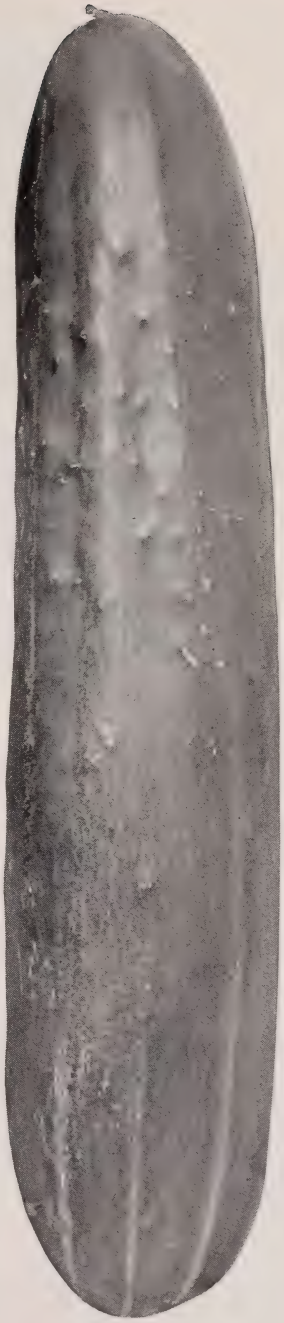
TRUE SOUTHERN or GEORGIA. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 30 cts.; lb. $1.

Corn Salad or Fetticus

A vegetable used as a salad. Sow at the first opening of spring for summer use in rows 1 foot apart, and it is fit for use in six to eight weeks.

One ounce will sow 100 feet of row

LARGE-LEAVED. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.15.



Longfellow Cucumber

Dandelion

Culture—Sow in May or June, in warm, rich soil, in rows 1½ feet apart and cover seed ½ inch. Some of the plants will be ready for use in September; the remainder the following spring.

One ounce will sow 150 feet of drill

LARGE-LEAVED. Leaves are fully double the size of the common Dandelion. They make delicious "greens." Years of the most careful cultivation have developed a very fine strain of seed. Pkt. 5 cts.; ½oz. 30 cts.; oz. 50 cts.; ¼lb. $1.75.

See the inside back cover page for
"OUR GREAT DOLLAR COLLECTION OF 'TRUE BLUE' VEGETABLE SEEDS"

Dill

Culture—Sow, early in the spring, thinly in rows about 1½ feet apart for hand cultivation or 2½ feet apart if to be cultivated with horse. Cover seed about ½ inch. Dill is used in large quantities for flavoring cucumber pickles and vinegar.

One ounce will sow 100 feet of row

COMMON. Pkt. 5c; oz. 10c; ¼lb. 15c; lb. 50c.

MAMMOTH. Pkt. 5c; oz. 10c; ¼lb. 20c; lb. 65c.

Planet Jr. Tools

We carry a complete line of these well-known garden tools. We do not have room to list them in this catalog but if you are interested we will gladly send you the Planet Jr. catalog.

Livingston's Mammoth Purple Eggplant

Eierpflanze **Eggplant** *Berenjena*

Culture—Sow seed in hotbed or window box in late March. Temperature should be about 75 degrees. When large enough to handle transplant to other boxes; keep covered and warm, and occasionally water. Harden plants by gradual exposure to sun and air. Transplant outside in late May or June, into warm, rich soil, 2 to 3 feet apart each way. When about a foot high draw earth up to the stem.

One ounce of seed produces about 1,500 plants

Livingston's Mammoth Purple. This is a splendid strain of New York Improved Large Purple. It is quite early, a sure cropper, and entirely spineless. The plants are large, vigorous, and very productive. Fruit is uniform in color and shape, very large—usually 6 to 8 inches in diameter, sometimes larger; skin a handsome dark purple, smooth and glossy; flesh white, of superior quality. 130 days. Pkt. 5c; ¼oz. 15 cts.; ½oz. 25c; oz. 45c; ¼lb. $1.35; lb. $4.

Black Beauty. Earlier than the purple varieties. Fruit rich, lustrous, purplish black color. It is a distinct sort and a favorite where known. The plants are remarkably healthy in their growth and yield an abundance of large fruits that are very attractive and of the best quality. This variety is entirely spineless. 120 days. Pkt. 5c; ¼oz. 15c; ½oz. 25c; oz. 45c; ¼lb. $1.35; lb. $4.

NEW YORK IMPROVED LARGE PURPLE. A leading variety. Fruit very large, oval, smooth, deep purple; flesh white and of good quality. Similar to Livingston's Mammoth. 130 days. Pkt. 5c; ¼oz. 15c; ½oz. 25c; oz. 45c; ¼lb. $1.35; lb. $4.

Endivien-Salat **Endive** *Endibia o Escarola*

Culture—For an early crop, sow in April in rows 15 inches apart, cover ½ inch, and later thin the plants to stand 1 foot apart in the row. The main sowings are made in June and July. When nearly full grown, gather up the leaves and tie them by their tips to blanch the heart.

One ounce of seed will sow 150 feet of drill

"Full Heart" Batavian. New Special Strain of fine quality. Received Award of Merit, 1934. Large, thick, dark green leaves, slightly wrinkled. Forms a large head with a full heart which easily blanches to a beautiful light yellow. Earlier than and superior to Broad-leaved Batavian which it will replace. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.50.

BROAD-LEAVED BATAVIAN. The broad, thick, slightly wrinkled leaves form very large heads, which are much used in soups. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.10.

Large Green Curled. A hardy, vigorous-growing variety with bright, deep green leaves. The dense mass of deeply divided leaves formed in the center blanches very readily to rich creamy white. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

FINE GREEN CURLED. A hardy variety with deep green leaves, beautifully cut and curled, easily blanched. Pkt. 5c; oz. 10c; ¼lb. 30c; lb. $1.

Large Green Curled Endive

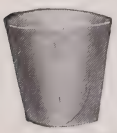
Garlic Sets

Garlic Sets or Bulbs are planted in early spring in rows 1 foot apart, placing the sets 4 inches apart in the rows, 2 inches deep, or in the same manner as multiplier onions. Garlic is used for flavoring purposes. Bulbs, oz. 5 cts.; ¼lb. 10 cts.; lb. 25 cts.; 5 lbs. $1.

Florence Fennel

One ounce of seed will sow 75 feet of row

A bulb-like vegetable, formed above the ground at the base of the leaf-stalk. Sow early in spring in rows 2 feet apart, covering seed ½ inch; thin to 12 inches apart. Earth up like Celery for a white, crisp, palatable vegetable. Pkt. 5c; oz. 10c; ¼lb. 30c; lb. $1.



Neponset Growing Pots

These Black Pots provide economy, ease and convenience for the full growing period of young plants without retarding the root growth—in fact, the waterproofing treatment of these pots seems to encourage healthy growth.

Size	Postpaid with your seed order 25	50	100	Wgt. per 1,000	Not Postpd. 1,000
2¼-in.	$0.35	$0.60	$0.90	16 lbs.	$4.80
2½-in.	.40	.65	1.00	22 lbs.	5.35
3 -in.	.50	.80	1.25	28 lbs.	6.50
3½-in.	.55	.85	1.50	39 lbs.	8.55
4 -in.	.60	1.00	1.75	52 lbs.	10.00

Livingston's have introduced more than 30 varieties of Tomatoes since 1870.

Kohlrabi **Kohlrabi** *Col rabano o Nabicol*

(Turnip-rooted Cabbage)

Culture—The turnip-shaped bulb formed above the ground is the edible part. The flavor seems to combine that of cabbage and turnip. When young and tender they are fine for table use; when matured they keep splendidly and are excellent for feeding stock. Sow in rows 18 inches apart, cover ½ inch, and thin to 6 inches apart in the row.

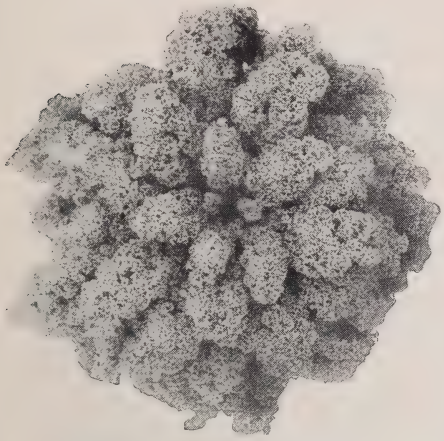
One ounce of seed sows 300 feet of row

Early White Vienna. Greenish white outside, with clear white flesh within. Fine in quality. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.50.

EARLY PURPLE VIENNA. Same as above, except in the outside color. Pkt. 5 cts.; oz. 20 cts.; ¼lb. 65 cts.; lb. $2.

EARLY WHITE SHORT-LEAVED. An extremely early sort, with very small tops, thus allowing close planting; flesh white. Fine for forcing. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 50 cts.; lb. $1.75.

White Vienna Kohlrabi



Dwarf Green Curled Scotch Kale

Herbs for Many Purposes

Sweet, Pot, Culinary, and Medicinal

Culture—Herbs delight in a rich, mellow soil. Sow in early spring in shallow drills 1 foot apart; cover lightly with fine soil, and when up a few inches thin out, or transplant into prepared beds. Care should be taken to harvest properly. Do this on a dry day, just before they come into full blossom; dry quickly in the shade, pack closely in dry bottles or dry boxes to exclude the air. Varieties in this list marked with an * require two years to mature.

	Pkt.	Oz.		Pkt.	Oz.
Anise	$0.05	$0.10	***Lavender, Sweet**	$0.10	$0.15
***Balm**	.05	.35	***Peppermint**	.10	
***Caraway**	.05	.10	***Rosemary**	.10	.35
***Catnip**	.10	.75	**Sage, broad-leaved**	.10	.25
***Coriander**	.05	.10	**Summer Savory**	.10	.15
Dill, Common	.05	.10	**Sweet Basil**	.10	.15
Dill, Mammoth	.05	.10	**Sweet Marjoram**	.10	.15
***Fennel, Sweet**	.05	.15	***Thyme**	.10	.30
***Horehound**	.10	.25	***Wormwood**	.10	.30

Blätterkohl **Kale or Borecole** *Breton*

Culture—Kale, or "German Greens," does not form heads, but it furnishes an abundance of pretty curled leaves that are highly prized as food. Sow thinly from the middle of April to the beginning of May; thin or transplant and cultivate like cabbage. Will endure considerable frost without injury.

One ounce of seed sows 200 feet of drill; 1 to 2 pounds sow an acre

Dwarf Green Curled Scotch. Dwarf and spreading. The leaves are beautifully curled and of a bright green color. Hardy. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 30 cts.; lb. $1.

Tall Green Curled Scotch. Very similar to the above in color, being a beautiful light green. The plant grows about 3 feet high, is very ornamental and makes excellent greens. Very hardy. Pkt. 5c; oz. 10c; ¼lb. 30c; lb. $1.

Siberian. Dwarf growth; bluish green leaves. Sow in September, in rows a foot apart, and cultivate the same as spinach. Very hardy and makes excellent spring greens. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.

Porree oder Lauch **Leeks** *Puerro*

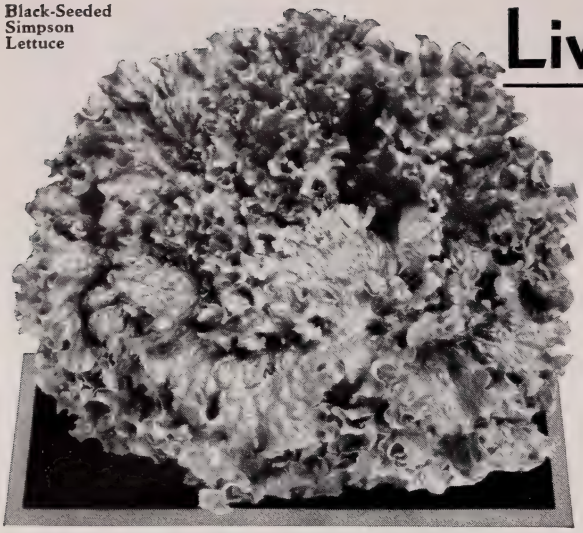
Cultivate the same as onions

One ounce of seed will sow 100 feet of row

BROAD SCOTCH or LONDON FLAG. A hardy kind; large, strong plants with broad leaves. Pkt. 5 cts.; ½oz. 15 cts.; oz. 20 cts.; ¼lb. 65 cts.; lb. $2.

Leeks

Black-Seeded Simpson Lettuce



Livingston's Leaf and

Culture—To grow Lettuce outside, sow the seed very thinly in rows 1½ feet apart, covering seed ¼ in. deep with fine soil. This can be done as soon as the cold wet days of spring are past. With loose leaf varieties, thin to about 2 inches apart when a few leaves have formed and normal use will further thin the row as plants develop. Heading varieties should be thinned to stand 12 inches apart in the row.

For fine Lettuce in early spring, sow seed in a seed-bed in September or October and protect thru winter in a coldframe. It can also be sown in a hotbed or in a house box in early spring; covered with damp blotting paper and kept moist until germination. Gradually expose young plants to the light and set out when soil is dry and moist. Cultivate to keep down weeds and conserve moisture.

One ounce of seed sows 100 square feet; plants 120 feet of row; produces 3,000 plants.

Leaf or Loose Headed Varieties

Black-Seeded Simpson. The Universal home-garden variety. Forms a large, loose head of nearly white, curly leaves that are large, thin, very tender and of good quality. For home table use you can get no better. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

Arlington Fancy Curled. A beautiful variety of the curly-leaf type. It resembles the best stocks of the Grand Rapids, but it is more beautifully curled. It is very true to type, of excellent quality, and for garnishing nothing in the Lettuce line excels it. Everyone should grow some of it, as it is one of those really good things that became popular favorites with the general public. It has a slight tendency to head, which makes it very crisp. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.50

EARLY CURLED SIMPSON. Forms a compact mass of curly leaves of light yellowish green, very tender. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

PRIZE HEAD. Heads are large, light green tinged with brownish red, and of superb flavor. Even the outer leaves are crisp and tender. Extremely hardy. Very fine for home use but too tender to ship any great distance. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.50.

Our "Money-Saving" Collections Save You Money

Heading Varieties

Maturities given are from transplanting date.

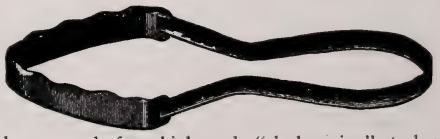
Big Boston. **(White-seeded.) This selected Lettuce is a very desirable large variety for forcing in coldframes and for outdoor planting.** Plants large, hardy, vigorous. Leaves broad, smooth, thin, of a light green color. It forms good-sized heads and does particularly well during the cool fall and spring months. Superior quality. 50 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.50.

White Boston. Forms a fine, large, solid, buttery head similar to Big Boston, but does not have brown edges on the outer leaves. The leaves are smooth and straight on the edges. The head has a light green color and blanches to a creamy yellow. Considered one of the best heading varieties. 50 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.50.

Grand Rapids. **Especially adapted for greenhouse culture; also good to sow outside early in the spring. Our stock of this variety is extra fine as we pay more for it, and have it selected.** It does not form a head, but makes large, compact bunches of light, attractively curled and fringed leaves. It grows very rapidly and keeps in good market condition for a long time after cutting. Should be sown more shallow than the other sorts, otherwise it may not germinate. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.50.

OHIO GRAND RAPIDS. It is a dark-leaved Grand Rapids, and a quick grower. Especially adapted to midwinter crops in greenhouse. Very hardy. Not advised for home-gardens. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.50.

Steel Hand-Weeder No. 240



Blades are made from high-grade "clock spring" steel, ground and tempered. One edge is serrated and sharpened and blade is riveted to steel handle. A very popular tool with florists, market gardeners, onion-growers, etc. **25 cts. each, postpaid.**

Big Boston Lettuce

Heading Lettuce

Heading Varieties—Cont.

Livingston's Crisp-as-Ice. Introduced by us in 1895. The large, solid heads deserve their name as they are exceedingly crisp, tender and brittle. Beautifully crimped and curled with outer leaves variegated dark brown, bronze and green; heart, creamy-yellow. Quite hardy. 50 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 50 cts.; lb. $1.75.

All-Heart. A very reliable, hard-heading variety of Cabbage-Lettuce. Withstands heat; leaves are closely set, having a solid heart, even before it is fully grown. Color yellowish green; flavor rich and buttery. 56 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.50.

ICEBERG. Beautiful large, curly leaves of light green, with a slight red tinge at the edges. Heads solid, crisp, tender, and of fine flavor. Do not confuse with Wonderful; they are entirely different. 50 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 50 cts.; lb. $1.75.

IMPROVED HANSON. Large heads; outer leaves are bright green and frilled; inner leaves white, sweet and crisp. Reliable header, stands summer heat well. 48 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

TRIANON COS (Romaine). The long, narrow leaves, which form solid heads, blanch and become snowy white. Excels in quality and crispness. Can be eaten same as celery. 55 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.50.

UNRIVALED. Large heads of light green shading to creamy white at center. Similar to Big Boston but does not have the red tinge. 50 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.50.

MAY KING. An early variety of head lettuce. Grows quickly, producing fine, medium-sized heads, even in poor soil. It is not easily affected by cold or wet weather. 45 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.50.

Special Lettuce Collection

Two Leaf Varieties

BLACK-SEEDED SIMPSON, PRIZE HEAD

One Heading Variety: LIVINGSTON'S CRISP-AS-ICE

1 pkt. ea. (value 15c) 10c 1 oz. ea. (value 45c) 35c

The depth you plant seed is most important. This book tells you about this under each vegetable heading. Follow these cultures for best results.

Zinnia Trials at "True Blue" Farm

Wonderful Lettuce

Wonderful (New York). A truly wonderful heading variety. It is peculiar in having a dark green leaf when growing, but the head blanches to a light green with a center of creamy white. Heart is solid, sweet, tender, and crisp. This variety frequently weighs 2 to 3 pounds and has been known to grow to 6 pounds. Should be planted to avoid hot seasons for heading. 60 days. Pkt. 5c; ½oz. 10c; oz. 15c; ¼lb. 50c; lb. $1.75.

New York No. 12. A new strain of New York. The heads are almost perfectly round; solid and crisp; grows to a large size. This variety prefers cool weather and well fertilized soil. It matures early and is a sure header. Illustrated on page 9. 60 days. Pkt. 5c; ½oz. 15c; oz. 20c; ¼lb. 65c; lb. $2.00.

CHICKEN LETTUCE. Does not head but has stalks 3 to 4 ft. high which yield as much chicken-feed as any "greens" plant. When cut it starts to grow again. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.50.

LIVINGSTON'S LETTUCE MIXTURE. One sowing produces salad for the season. Contains a grand assortment of Lettuces. Liberal pkt. 5c; ½oz. 10c; oz. 15c; ¼lb. 45c.

Senf Mustard *Mostaza*

Culture.—The leaves are used as a salad or may be boiled like spinach. Sow seed very shallow in any good garden soil early in the spring, in rows 1½ to 2 feet apart, and when well up thin out the plants so as to stand 8 to 10 inches apart. Several sowings a week or so apart give tender leaves throughout the season.

One ounce of seed will sow 100 feet of row

Fordhook Fancy. The vigorous-growing plants have beautiful, dark green, curled leaves. It is most productive from early spring sowings and stands well, even during the hot summer months. Pkt. 5c; oz. 10c; ¼lb. 25c; lb. 75c.

Southern Giant Curled. Is highly esteemed in South. Large bunches of tender green leaves. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 65 cts.

CHINESE. A giant curled variety with leaves of large size. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 15 cts.; lb. 55 cts.

WHITE ENGLISH. Leaves are light green, mild, and tender. Pkt. 5c; oz. 10c; ¼lb. 15c; lb. 50c.

Livingston's Sweet and

Livingston's Ohio Sugar Muskmelon

Culture.—A rich, sandy soil and good seed are absolutely necessary for success in raising the best Muskmelons. The seed should not be planted until the ground has become dry and warm; plant in hills 6 feet apart each way; old, well-rotted manure should be thoroughly mixed with the soil in each hill and in liberal quantity. Put six to ten seeds in the hill and when danger from insects is past, leave three or four of the strongest plants only. Muskmelons or Cantaloupes may also be sown in rows that are made about 6 feet apart, and when the plants are well up thinned to stand in hills 5 to 6 feet apart, just before the plants begin to run. This method requires more seed but insures a good stand of plants in spite of the bugs. Cover seed 1 inch. Cultivate often and not deep.

One oz. will plant 60 hills; 2 to 3 lbs. will plant an acre

Special Muskmelon Collection

LIVINGSTON'S OHIO SUGAR. HEARTS OF GOLD. BANANA, an odd novelty

1 pkt. each (value 15c) 10c
1 oz. each (value 40c) 30c

Green Fleshed Varieties

Livingston's Ohio Sugar. Absolutely distinct and very superior melon, the result of years of most careful and painstaking selection and breeding. One of the sweetest and most luscious green-fleshed Cantaloupes now on the market. It is the rarest exception that an under-quality melon is found. Of that desirable size in demand in all markets, round, inclined to oval in shape, heavy in proportion to size because the flesh is deep. Distinctly ribbed and well netted—color of skin gray-green. The firm flesh is an attractive green of exquisite texture, sugary, juicy, tender, and free from stringiness; seed cavity is small. Uniform shape. A market and home-garden melon. 80 days. Pkt. 5c; oz. 15c; ¼lb. 35c; lb. $1.25; 5 lbs. $6.

Rocky Ford. A netted Gem melon with sweet, green flesh of high quality. Fruit small, almost round, smooth, slightly ribbed, densely covered with netting. 75 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 90 cts.; 5 lbs. $4.25.

Write for Special Price on large Lots of Melons

Don't make vegetables fight to live. Plant or thin them to the proper distance apart. Our cultural directions give the proper distance.

Honey Dew. Green fleshed. Sweet as honey. Averages about 6 inches in diameter and weighs five to six pounds. The skin is smooth with little netting, flesh green, very thick and fine-grained. 100 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.10; 5 lbs. $5.25.

Delicious Gold-Lined Rocky Ford. A fine variety. The shape is slightly oval, heavily netted. Flesh thick, fine-grained, and sweet; color green with a gold margin next to the seed cavity. Attractive both as to outward appearance and when cut. 75 days. Pkt. 5c; oz. 10c; ¼lb. 30c; lb. $1.00; 5 lbs. $4.75.

Extra-Early Knight. **(Sweet Air.)** A very early, medium-sized melon. Fruit oblong; skin deep green, turning to golden at maturity, well covered with a close gray netting and distinctly ribbed; flesh fairly thick and very sweet; color medium green blending to light pink. 70 days. Pkt. 5c; oz. 10c; ¼lb. 30c; lb. $1.00; 5 lbs. $4.75.

Chas. Wayt, Warrick County, Indiana, writes: *"We have been recommending your seeds to our friends. Mr. L. D. Hinshaw is very much pleased with his seed; germination more than he expected."*

Salmon Fleshed Varieties

Emerald Gem. Ripens early. Medium-sized, nearly round melon, with delicate light salmon flesh, very thick, fine-grained, and of superb flavor. The rind is thin, dark green ribbed, slightly netted. One of the best for home use. 75 days. Pkt. 5c; oz. 10c; ¼lb. 30c; lb. $1.00; 5 lbs. $4.75.

Honey Dew. Salmon fleshed. Same as above green fleshed. 100 days. Pkt. 5c; oz. 10c; ¼lb. 35c; lb. $1.

Hearts of Gold. The original name of this melon was Hoodoo, but Hearts of Gold is much better. Vine vigorous, blight-resisting, and very productive. The fruits vary slightly in shape, averaging nearly round. The netting is very dense and fine over the entire surface. Rind, although thin, is very firm, hence it is one of the best shipping sorts. Flesh salmon, very thick, highly colored, of finest texture, and delicious flavor. 73 days. Pkt. 5c; oz. 10c; ¼lb. 30c; lb. $1.00; 5 lbs. $4.75.

Hearts of Gold Muskmelon

TRY GROWING SOME MELONS WITH HOTKAPS—See Page 61

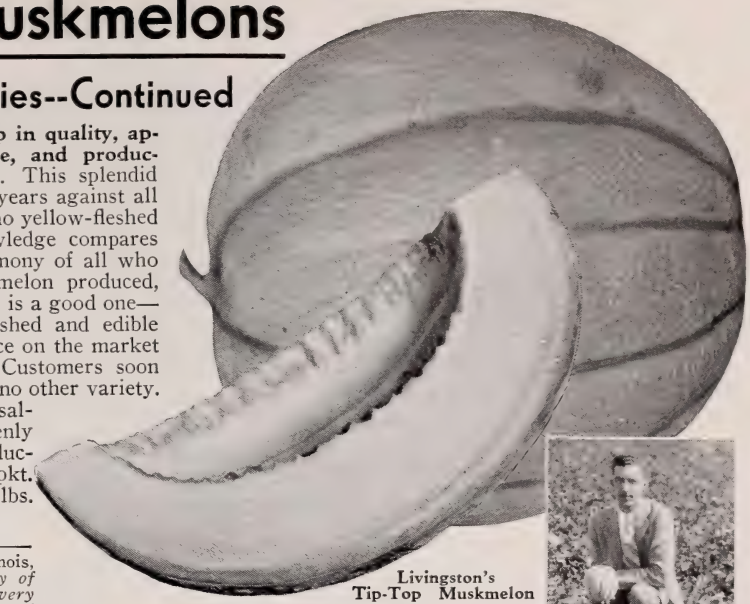
Delicious Muskmelons

Salmon Fleshed Varieties--Continued

Livingston's Tip-Top.

Tip-Top in quality, appearance, and productiveness. *Introduced by us in 1892.* This splendid melon has "held its own" for many years against all introductions in the melon line, and no yellow-fleshed melon of which we have any knowledge compares with it in good qualities. The testimony of all who have used **Tip-Top** is that every melon produced, whether large or small, early or late, is a good one—sweet, juicy, finest flavor, firm fleshed and edible to the outside coating. Its appearance on the market is very attractive—sells on sight. Customers soon learn to pick them out and will have no other variety. Fruit of large size, and flesh bright salmon in color; slightly oblong, evenly ribbed, moderately netted, very productive. 80 days. Originator's Strain, pkt. 5c; oz. 15c; ¼lb. 35c; lb. $1.25; 5 lbs. $6.00.

Andrew Graham, De Kalb County, Illinois, writes: *"Last Spring I got quite a variety of seeds and they all grew so well. It was very dry weather through June, but we had a good garden and I am well pleased with the vegetables."*



Livingston's Tip-Top Muskmelon

The King of All Melons

Every home gardener should try it.

Bender's Surprise.

A very popular variety in the East, particularly in northern New York. Skin light greenish yellow when ripe. A very delicious, large, salmon-fleshed melon with superior shipping and keeping qualities. 80 days. Pkt. 5c; oz. 10c; ¼lb. 30c; lb. $1.00; 5 lbs. $4.75.

Hale's Best.

The earliest of the Rocky Ford type. A slightly oval variety averaging about 7½ inches long, heavily netted. Flesh is deep salmon, very thick and firm, with a fine flavor. Very popular with shippers and an excellent variety for home use. 75 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 30 cts.; lb. $1.

Honey Rock.

A new and outstanding variety which is sure to become the most popular with both home and market gardeners. The quality is excellent, every Melon being of high flavor and very sweet. The size is ideal for making two servings. It is round as a ball, measuring about 6 inches thru and covered with coarse heavy netting. Flesh is a salmon color, very thick and sweet. An early, very productive variety. 78 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

Lake Champlain.

An exceedingly early salmon-fleshed melon of medium size and good quality. It is not entirely true as to type, but on account of its extreme earliness and quality we recommend its use for home and near-by markets. 68 days. Pkt. 5c; oz. 10c; ¼lb. 30c; lb. $1.00.

BANANA. Very odd; 18 to 21 inches long. Yellow flesh, blending from bright green to rich salmon. Early. 85 days. Pkt. 5c; oz. 15c; ¼lb. 35c; lb. $1.10.

BURRELL'S GEM. Oblong variety, averaging 6 by 4 inches. Closely netted and slightly ribbed. Shipping variety. 75 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 90 cts.

OSAGE. Large, oval, slightly ribbed variety. Main-crop sort for market or home use. 78 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 30 cts.; lb. $1.

EXTRA-EARLY OSAGE. Earlier than the above and almost as large. 75 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 30 cts.; lb. $1.

Greeley's Wonder. A 4 to 5 pound, round, heavily netted, late variety. 80 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 30 cts.; lb. $1.

Honey Rock Muskmelon

Here's what Customers say about our Service

John Vlad, Trumbull County, Ohio, writes: *"I want to tell you how glad I was when I received the seeds you sent so soon. I am very glad to know that you are prompt. Thanking you very much, I am."*

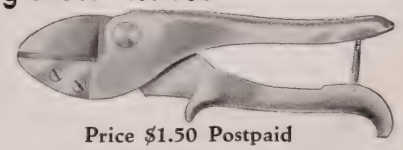
Herbert S. Fenwick, Jackson County, Michigan, writes: *"Please allow me to express my appreciation for the way you handled my recent late order for a small quantity of garden seeds."*

T. & A. Rogers Co., Barnesville, Ohio, write June 3, 1933: *"We thank you for taking care of our needs so promptly."*

Mrs. C. M. Jennings, Tazewell County, Virginia, writes: *"Thirty three years ago I ordered my first seed from you and today am as anxious to buy your seed as I was then because of your perfect system in dealing. A satisfied customer."*

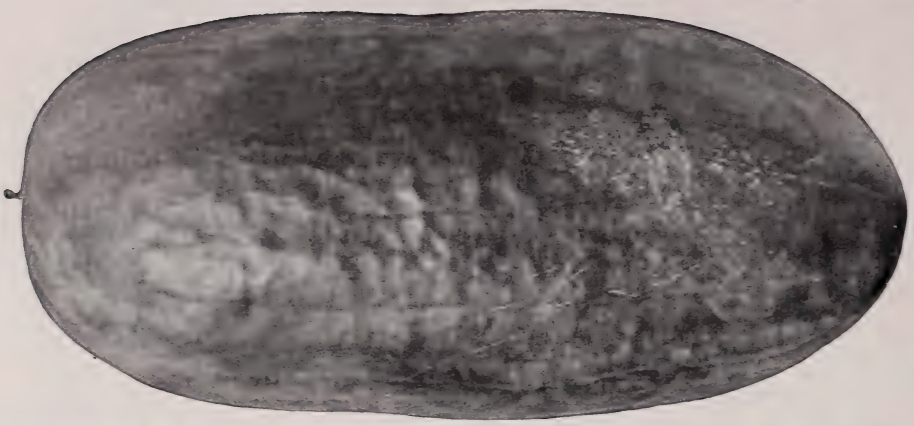
Pruning Shear No. 100

A new and improved Shear. Highly nickeled and polished, rust resistant, compact and durable. Alloy steel cutting blade, duro aluminum blade stop which protects knife edge. 10 inches long.



Price $1.50 Postpaid

Grow Livingston's Fine



Left
Kleckley's Sweets Watermelon
One of the most desirable varieties for home garden or local market use. Improved Strain is offered.

Right—Opposite Page
Tom Watson Watermelon
Extra large, long sort, with tough rind and good quality. Considered best shipping variety.

Improved Kleckley's Sweets. An improved strain of Kleckley's Sweets, being more full at either end. It is large, heavy, oblong and has an even dark green skin and rather thin rind. Averages 18 to 20 inches in length and 10 to 12 inches in diameter. Flesh is bright scarlet, with solid heart deliciously crisp and sugary. One of the most desirable varieties for home garden or local market growing. White seeded. 85 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.; 5 lbs. $2.75; 10 lbs. $5.00.

Halbert Honey. A very sweet, long, dark, green variety. Fruits average 18 to 20 inches long, have a thin rind and deep red meat of delicious flavor; pulp entirely free from stringiness. One of the finest for the home-garden. White seeded. 85 days. Pkt. 5c; oz. 10c; ¼lb. 20c; lb. 60c; 5 lbs. $2.75.

Fordhook Early. The earliest and best melon of good size. Next to Cole's Early in time of ripening, but much larger. Fruit round; skin dark green; flesh is bright red, of fine quality. Dark brown seeded. 75 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.; 5 lbs. $2.75.

COLE'S EARLY. Very hardy. A sure cropper for Northern States. Its dark red flesh is delicate in texture; rind green, striped with lighter shades, thin and brittle; of medium size and nearly round. Matures early. Especially good for home use. Dark brown seeded. 75 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.; 5 lbs. $2.75.

LIVINGSTON'S ORANGE. Inner portion resembles an orange, hence its name. Inner core separates from rind when ripened and can be lifted out. Flesh beautiful pink shade, fine quality. Illustrated on page 9. 78 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.

SWEETHEART. Splendid for shipping—popular in the South. It is hard to beat as to quality and productiveness. Melons oval, very heavy, very thin rind, but firm. In color it is a light green, slightly veined with a darker shade. The flesh is a bright red, very tender and sweet. Dark brown seeded. 80 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.; 5 lbs. $2.75.

FLORIDA FAVORITE. A splendid oblong early melon. Skin dark green, slightly mottled with still deeper shade; flesh dark red and of the finest flavor and quality; seeds white. 80 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.

Special prices on Watermelon in 10- to 100-pound lots

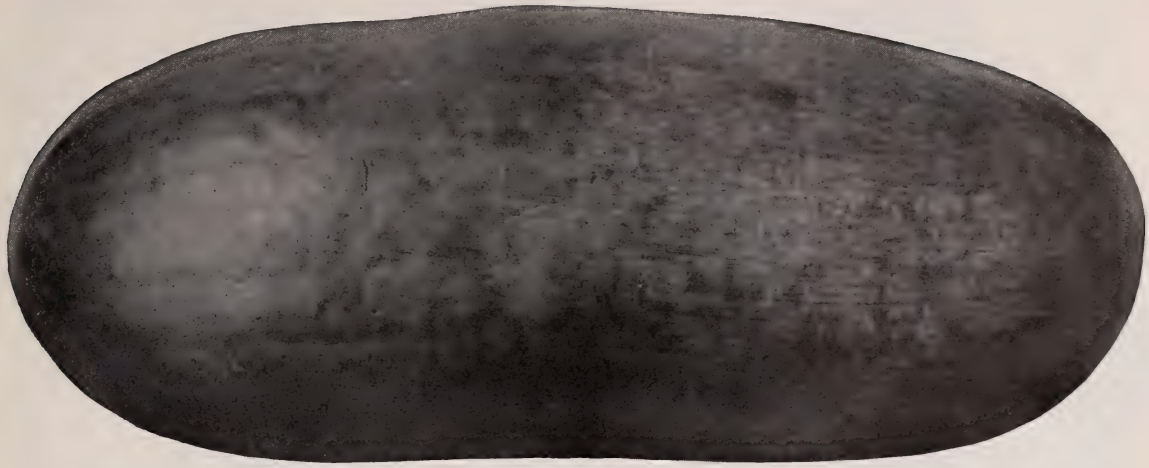
Culture.—A light, sandy soil, with good exposure to the sun, is the best situation for Watermelons. The ground should be prepared deeply, but receive shallow cultivation. Hoe often and very thoroughly about the hills. If extra-large Watermelons are desired for exhibition purposes, leave but one or two on a single vine. Plant 1 inch deep in hills 8 to 10 feet apart each way, with a very generous shovelful of well-rotted manure mixed with the soil in each hill. If commercial fertilizer is used, it should contain a large percentage of ammonia and potash. Plant eight to ten seeds in each hill, and finally, when danger from insects is past, thin out to three strong plants. Watermelon seeds being large, an ounce is about right for small gardens.

One ounce of seed will plant 20 to 30 hills
4 to 5 lbs. will plant an acre

Stone Mountain or Dixie Belle. A very large, medium dark green, round melon of excellent quality. Flesh highly colored, very solid, with fewer seeds than most melons. The rind is tough enough to stand handling for shipping. We find this melon somewhat earlier than other large varieties. It is very productive and can be grown farther north than many of the long varieties. It is excellent for home growing. Brown seeded, mottled white. 85 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 30 cts.; lb. $1; 5 lbs. $4.75; 10 lbs. $9.

Stone Mountain Watermelon

Flavored Watermelons *Sandias*



Tom Watson. **Greatest of all shippers.** An extra-long melon of attractive appearance, uniform in shape and quality. The average melon will weigh 35 to 40 pounds and measure about 24 inches long and about 10 inches in diameter. Its luscious crimson flesh is sweet, melting, and of superb flavor. Very prolific. Rind thin but tough, hence popular for shipping. Brown seeded, mottled white, 90 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.; 5 lbs. $2.75; 10 lbs. $5.

Ice Cream. **True White-seeded.** The great kitchen-garden and home-market Watermelon. Of good size; medium early; fruit oblong; rind light mottled green. The bright red flesh is solid to the center. 80 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.; 5 lbs. $2.75; 10 lbs. $5.

HARRIS' EARLIEST. Large, oval sort, with mottled skin. Dark brown seeded, 75 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.

PRESERVING CITRON. Most desirable for preserves. Red seeded, 100 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.

Irish Gray. Similar in shape and size to Tom Watson. Rind is greenish gray, thin but tough; flesh is red and free from stringiness. White seeded, 85 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.; 5 lbs. $2.75; 10 lbs. $5.

GRAY MONARCH (Long Light Icing). Very large melons, oblong in shape. White seeded, 80 days. Pkt. 5c; oz. 10c; ¼lb. 20c; lb. 60c.

CHILIAN. Medium sized, round melon with green skin, mottled and striped. Flesh bright red and of good quality. Popular on the Pacific Coast; good shipper. White seeded, 80 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.; 5 lbs. $2.75; 10 lbs. $5.

THURMOND GRAY. A large, long melon with gray-green skin and rich crimson flesh of delicious flavor. Will stand shipping. White seeded, 85 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts. 5 lbs. $2.75; 10 lbs. $5.

We can supply Round Dark Icing, Georgia Rattlesnake, Round Light Icing, Peerless, and Alabama Sweet. Each, pkt. 5 cts.; oz. 10 cts.; ¼ lb. 20 cts.; lb. 60 cts.; 5 lbs. $2.75.; 10 lbs. $5.

HAVE AN EARLIER GARDEN THIS YEAR

Germāco

Hotkaps

An individual hothouse for each plant. Makes larger and better crops.

A scientifically constructed wax paper cone that you place over each plant. Form miniature hothouses that protect plants from frost, wind, rain, insects, and ground crusting. They not only give you better Vegetables, but are a method of crop insurance.

INSTRUCTIVE PAMPHLET FREE

Prices: 1,000 lots, $9.75; 5,000 lots at $9.60 per 1,000; 10,000 lots at $9.50. Trial package of 250, including special-type Garden Setter, $3.50. Standard Germaco HOTKAP Setter, $2.25. All prepaid.

If you need HOTKAPS for your back-yard garden, note these prices: 100, with Garden Setter, $2.25; Garden Setter alone, 50 cts. **All prepaid.**

Mushroom Spawn

Mushrooms may be grown in a shed, cellar, cave or under the benches in greenhouses; in fact, in any place where conditions of temperature and moisture are favorable or can be controlled. We receive fresh Spawn several times a year from the best American growers.

American Pure-Culture White Spawn. Produced from original spore cultures under the new French process, which permits the indefinite reproduction of selected varieties without dilution of the strain, and free of any trace of the parasitic diseases of the Mushroom.

BRICK SPAWN. Spawns 10 square foot bed. Brick 40c; 5 bricks $1.50; 25 bricks $6.75 Ppd.

BOTTLE SPAWN. Will spawn 40 square foot bed. Bottle $1; 5 bottles $4.50; postpaid.

CULTURAL LEAFLET WILL BE SUPPLIED TO CUSTOMERS

Livingston's Choice

Ohio Yellow Globe Onion

A fine Winter Keeper

Culture—Onion seed should be sown as early in the spring as it is possible to get the ground in shape, even though the weather is cold. Thorough preparation of the soil is one of the most essential points in successful Onion-growing. They delight in a rich, deep, sandy loam, but excellent yields can be obtained from heavier soils properly fertilized. Sow the seed in rows 12 to 14 inches apart and about ½ inch deep. After they are well started, or about 3 to 4 inches high, thin out to stand about 2 inches apart, keeping them well hoed and free from weeds at all times throughout the season.

Cultural leaflet free to customers

For Large Onions—1 ounce to a 100 foot row, 4 lbs. to an acre
For Onion Sets—6 ounces to a 100 foot row, 50 to 60 lbs. to an acre

Yellow Varieties

Mammoth Yellow Prize-Taker. A hardy, good keeping variety of delicious mild flavor that can be grown to enormous size. It is globe-shaped, has rich, light yellow skin and white flesh and is a heavy yielder. Can be grown satisfactorily either by sowing seed in the open ground or by transplanting. 110 days. Pkt. 5 cts.; ½oz. 15 cts.; oz. 20 cts.; ¼lb. 65 cts.; lb. $2.

Mountain Danvers. One of the earliest and best keeping varieties in cultivation. The shape is globe, slightly flattened; color is a beautiful dark yellow shading to brown. The bulb is hard with thick, firm skin making it a good shipper and a good sort to grow for sets. Our seed grown in Colorado. 100 days. Pkt. 5 cts.; ½oz. 15 cts.; oz. 20 cts.; ¼lb. 65 cts.; lb. $2.

Ohio Yellow Globe. This early fine strain is of that extreme type of Globe now so deservedly popular in all large Onion markets. Its main points of excellence are: **Distinct and attractive shape; handsome, bright, even color; necks very small; ripens early, and all at once.** The solid bulbs are **excellent winter keepers,** and all that can be desired in size and quality. This superb Onion is the most popular of the Yellow Globe sorts. 100 days. Pkt. 5 cts.; ½oz. 10 cts.; oz. 15 cts.; ¼lb. 50 cts.; lb. $1.75.

YELLOW GLOBE DANVERS. Early and abundant cropper. Large, very thick bulb, flat or slightly convex bottom, full oval top, small neck and rich brownish yellow skin. We consider our Globe Danvers just right for critical growers. 105 days. Pkt. 5 cts.; ½oz. 10 cts.; oz. 15 cts.; ¼lb. 50 cts.; lb. $1.60.

SOUTHPORT YELLOW GLOBE. Produces large, perfectly globe-shaped bulbs. Color of the skin is brownish yellow. Flesh white, fine-grained and crisp. Similar to Yellow Globe Danvers, but larger. 110 days. Pkt. 5 cts.; ½oz. 10 cts.; oz. 15 cts.; ¼lb. 50 cts.; lb $1.75.

Riverside Sweet Spanish Onion

Ebenezer. (JAPANESE). This is the mildest yellow Onion in our list. The Onions are large (often 4 inches in diameter), somewhat flattened, have attractive yellow skin and firm white flesh of delicate flavor; very small top and ripens quite early for so large a variety. One of the best for sets as they keep almost indefinitely. 100 days. Pkt. 5c; ½oz. 10c; oz. 15c; ¼lb. 50c; lb. $1.75.

Riverside Sweet Spanish. An improved strain of the Sweet Spanish Onion, superior in flavor, mildness, and keeping qualities. It is a large, well-shaped, brown Onion, weighing one pound or more. Unusually mild, but retains that genuine Onion flavor. Being a good keeper, it ships as well as any other. 110 days. Pkt. 5 cts.; ½oz. 15 cts.; oz. 25 cts.; ¼lb. 75 cts.; lb. $2.50.

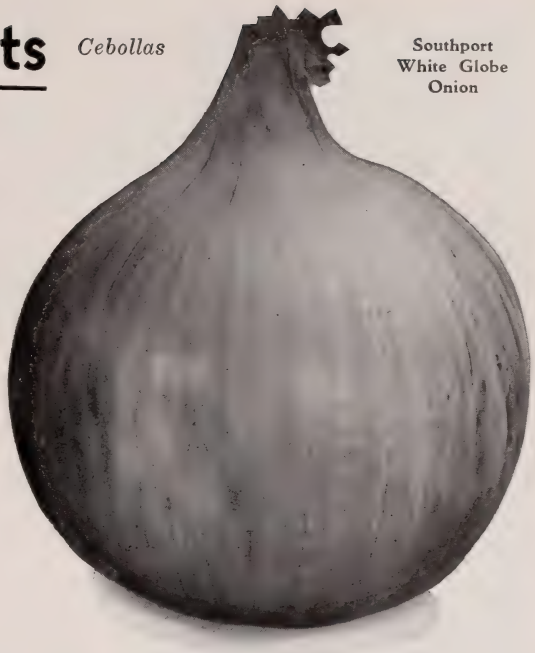
Frank L. Chachorski, Allegan County, Michigan, writes: *"Here's hoping for another "Banner Year" with your seeds!! Last Year's success with your different varieties is still a living memory."*

First-Grade Stocks of Highest Quality

The Critical Market Gardener demands the highest quality. They like "True Blue" seed. You buy this same quality for your own garden. There is only one grade of "True Blue" Seed. Buy these seeds with that extra vitality which makes your gardening success outstanding in your neighborhood.

Onion Seed and Sets

Cebollas



Southport White Globe Onion

Red Varieties

Southport Red Globe Most popular of any red Onion, especially in the West. The largest of the Southport Onions, ripening from a week to ten days after the yellows. The bulbs are remarkably uniform in shape, of a rich red color, ripen evenly and yield a large percentage of Onions. Flesh pinkish white. They ripen down hard, keep well, and their beautiful appearance helps to sell them. 110 days. Pkt. 5 cts.; ½oz. 10 cts.; oz. 15 cts.; ¼lb. 50 cts.; lb. $1.75.

LARGE RED WETHERSFIELD. A standard red variety. Large; skin deep purplish red; form round and flattened; flesh purplish white. One of the best keepers. A great yielder. 105 days. Pkt. 5 cts.; ½oz. 10 cts.; oz. 15 cts.; ¼lb. 50 cts.; lb. $1.60.

Special Onion Collection

SOUTHPORT GLOBES, Red, White and Yellow
1 Pkt. Each (Value 15c) 10c
1 Oz. Each (Value 55c) 45c

True Blue Seeds are seeds of the highest quality.

White Varieties

Southport White Globe The most handsome Onion grown. Beautiful silvery white, perfectly globe-shaped, uniform in size. Flesh firm, fine grained, solid, and of pleasant flavor. Very small neck. Our stock of this important variety has been giving great satisfaction. 110 days. Pkt. 5 cts.; ½oz. 15 cts.; oz. 25 cts.; ¼lb. 70 cts.; lb. $2.25.

White Portugal or Silverskin. Considered by many as the best flat white Onion. It matures early, is of good size and has a mild flavor. When young it is fine for green onions and is much preferred for combination dishes on account of the flavor. As a pickling variety it is much esteemed. It also makes a fine large Onion and is a good keeper. We urge home gardeners to grow White Portugal for all around purposes. 95 days. Pkt. 5 cts.; ½oz. 15 cts.; oz. 25 cts.; ¼lb. 70 cts.; lb. $2.10.

Indiana Silverskin This is a fine strain of pure white Onion that produces round, hard Onion sets. Bulbs are flat. One of the best keeping white varieties. 95 days. Pkt. 5 cts.; ½oz. 15 cts.; oz. 25 cts.; ¼lb. 70 cts.; lb. $2.10.

WHITE WELSH. Does not form a bulb but is the best sort for bunching. To carry over winter for spring use, seed should be sown in furrows 4 inches deep and filled in as the plants develop. Pkt. 5 cts.; ½oz. 15 cts.; oz. 20 cts.; ¼lb. 65 cts.; lb. $2.

Watch for bugs and insects. Keep spraying at regular intervals. Prevention is better than cure.

A common cause of garden failure is lack of or improper soil preparation. Spade or plow deeply and pulverize top soil well.

Why not start an Herb garden? Any small corner will give a fine supply for seasoning. Dill, Sage, Sweet Marjoram, Summer Savory, mature in one year. Some others require two years. See page 55.

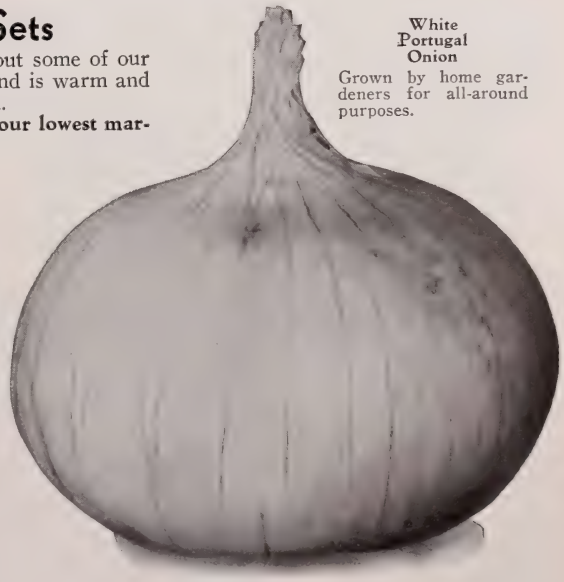
Livingston's Choice Onion Sets

For real Early Green Onions you should buy and set out some of our choice Onion Sets. This can be done as soon as the ground is warm and dry. Plant them about two inches apart and cover one inch.

A pound of sets is equal to about one quart. **Write for our lowest market price on larger quantities.**

WHITE. ½lb. 20 cts.; lb. 35 cts. postpaid.
YELLOW or Brown. ½lb. 20 cts.; 1 lb. 30 cts. Ppd.

Ray Weber, Clermont County, Ohio writes: *"My neighbor gave me an old Livingston book. I tried your seed and have had wonderful results. I never miss a chance to boost your seeds to all my friends."*



White Portugal Onion
Grown by home gardeners for all-around purposes.

Hammond's Slug Shot

An old and proven insecticide and fungicide dust. Harmless to both vegetables and flowers but powerfully effective against eating insects and fungus. Combats Mexican Bean Beetles, Potato Bugs, Cabbage Worms, Slugs, Sow Bugs and all other chewing insects.

1 lb. Sifter Top Can 35c.
5 lbs. $1. 25 lbs. $4. Postpaid

KRO RAT and MOUSE EXTERMINATOR

A squill exterminator, not a poison. Will not kill live stock, dogs, cats or poultry. Can be used any place where these pests are harbored. Mix one part to sixteen parts of whatever bait you use.

PRICE 75c POSTPAID

White Velvet Okra

Okra or Gumbo

Fine for Soups, Stews, Relishes, etc.

Culture—Very wholesome. The pods, when young, make fine soup and are also used in mixed vegetable soups. Plant seed after the ground is warm and dry, in drills 3 feet apart, covering ½ inch and thinning plants to 1 foot apart. Make early and late sowing to secure a supply throughout the season.

One ounce of seed will sow 40 feet of drill

Dwarf Long-Pod. Grows only 3 feet high and begins setting its deep green, long, tender pods very early, close to the ground, and very abundantly. Continues to bear late in the season. Adapted to small gardens. 45 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.

White Velvet. The large pods are perfectly round, smooth, and attractive velvety white, of superior flavor and tenderness. Plant dwarf, of compact branching growth and very prolific. 51 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.

Perkin's Mammoth. Very attractive dwarf plant. Produces beautiful, long, slender, deep green pods, which remain tender a long time. An extra-good variety. 60 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 15 cts.; lb. 55 cts.

Pastinake Parsnips *Chiriva*

Culture—Sow seed in early spring in drills 15 inches apart and ½ inch deep in well dug rich soil. Keep crust from forming and cultivate often. Thin to stand 4 inches apart. Roots improve by being left in ground until next spring.

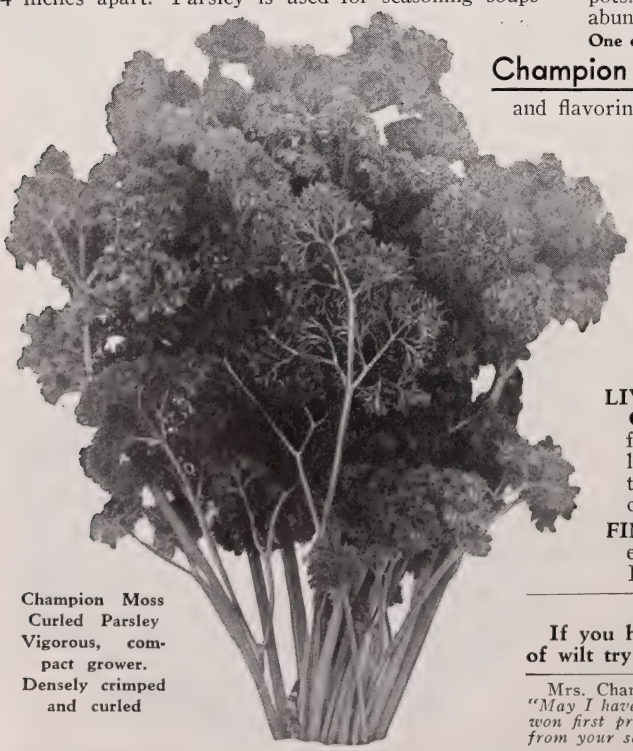
One ounce of seed to 200 feet of drill: 5 to 6 pounds for an acre

HOLLOW CROWN (Large Sugar). Roots are white, smooth and of excellent flavor. 12 to 15 inches long by 3 inches through at top with hollow crown. 100 days. Pkt. 5c; oz. 10c; ¼lb. 20c; lb. 70c.

Petersilie Parsley for Garnishing and Flavoring *Perejil*

Culture—As the seeds germinate very slowly, three to four weeks sometimes elapse before the plants make their appearance. Seed should be sown early in the spring in rows 1 foot apart, covering ½ inch. Thin to 4 inches apart. Parsley is used for seasoning soups and stews, for salads, and is also very universally used for garnishing. It makes an ornamental border in the flower-garden. Succeeds best in a rich, mellow soil. Take up a few plants in the fall and put into 6 or 7-inch pots. Keep well watered and they will produce an abundance of leaves all winter.

One ounce of seed will sow about 150 feet of drill



Champion Moss Curled Parsley Vigorous, compact grower. Densely crimped and curled

Champion Moss Curled. A vigorous, compact sort, very fine for garnishing and flavoring. Owing to its uniformly deep green color and attractive foliage, it is one of the best for either market or home use. Densely crimped and curled. 70 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 30 cts.; lb. $1.

Hamburg. **(ROOTED).** The fleshy roots of this variety resemble parsnips, and are used in soups and stews. The flesh is white and sometimes similar to celeriac (root celery). The roots may be dug and carried through the winter like turnips, etc. 100 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

LIVINGSTON'S EXQUISITE. A Fine Strain of Curled Parsley. Very ornamental leaf when used for garnishing. Has very elegant and closely curled leaves of beautiful dark green, while the flavor is all that could be desired. 80 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 30 cts.; lb. $1.

FINE DOUBLE CURLED. A standard dwarf variety having deeply cut and curled leaves. 70 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 85 cts.

NEW WILT-RESISTANT ASTERS

If you have become discouraged with Asters on account of wilt try these new strains. See page 14.

Mrs. Charles H. Walters, Delaware County, Pennsylvania, writes: *"May I have a catalog? Mr. Crawford, a member of our garden club, won first prize at our flower show, for his Oxheart Tomatoes grown from your seed."*

Speise-Kürbis **Pumpkin** *Calabazas*

Culture—Pumpkins are not so particular in regard to soil as melons or cucumbers, but in other respects are cultivated in a similar manner. Sow in the month of May, when you plant your corn. Make hills the same as you do for squashes, but about 8 to 10 feet apart each way. Place about 8 seeds in a hill, cover 1 inch, and thin to 3 to 4 vines. It is preferable to grow Pumpkins in the field, and not in the garden, as they mix with the squashes and other vines. You can sow some among the late corn, putting in a few seeds, say every third or fourth hill. This will give you plenty for the table, and your stock the coming winter.

One ounce of seed will plant 15 hills; 3 to 4 pounds will plant an acre

Large Sweet Pumpkin
Fine for home garden use

Large Sweet. **(Kentucky Field).** A large, round, flattened Pumpkin that is hardy and productive. It grows 1 to 2 feet in diameter and has thick orange flesh of extra-fine quality. A splendid sort for canning, and market use. Pkt. 5c; oz. 10c; ¼lb. 15c; lb. 50c.

Small Sweet. **(Sugar).** This is the small, sweet Pumpkin that has made the New England States famous for their Pumpkin pies. The flesh is very fine grained, most deliciously sweet-flavored, and a splendid keeper. It averages about 10 inches in diameter and is of deep orange-yellow color. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.

MAMMOTH POTIRON. A really enormous variety (specimens often grow 2 feet in diameter and sometimes **weigh 150 lbs.**) with depressed ends and slightly ribbed salmon-color skin; flesh bright yellow. Great exhibition sort. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

COMMON YELLOW FIELD. (Yankee Cow; Conn. Field). Cultivated chiefly by farmers for stock-feeding and used some for canning. Very productive. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.

Winter Luxury. Excellent for pies. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.

Small Sweet or Sugar Pumpkin
Fine for making pies

Why Not Grow Some Peanuts?

Culture.—Peanuts require rich, sandy soil. Plant 2 to 3 inches deep, with the hulls on, in rows about 3 feet apart, and about 10 inches apart in the rows. When ripe dig up the vines and hang up to dry.

IMPROVED LARGE VIRGINIA (Jumbo). It has the largest pods and more kernels with fewer imperfect pods than any other. Stands erect, easily cultivated. Vines make valuable forage for stock. Large pkt. 10 cts.; ¼lb. 15 cts.; lb. 35 cts.; 3 lbs. 90 cts.; 5 lbs. $1.30; 10 lbs. $2.25.

SWEET SPANISH. The earliest variety grown. Pods are small, well filled, and of fine quality. Large pkt. 10 cts.; ¼lb. 15 cts.; lb. 35 cts.; 3 lbs. 90 cts.; 5 lbs. $1.30; 10 lbs. $2.25.

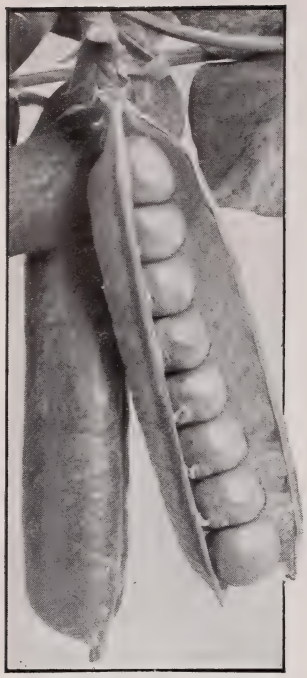
Spanish Peanuts

Mrs. Andrew Brooks, Cayuga County, New York, writes: *"Your generous packets of tomato seed received which promptly came up, showing freshness. Some planted at same time from another seedsman took much longer to come up, and but few came at all.*

Our Trial Grounds

Your Assurance of Quality Seed

We are one of the few seedsmen who operate big trial grounds each year. Our "True Blue" farms have been in operation ever since 1850, growing and testing seed. We test the seed which we offer for germination, productiveness, earliness, etc. Complete records are made and used as a guide in growing and placing contracts for the next season. We thoroughly test new introductions so that only those showing real merit are offered to you. A portion of our 1933 trials are illustrated at left.



Little Marvel Peas

Erbsen Livingston's Sweet

Peas quoted herein will be shipped to any point in the United States by prepaid mail, express, or freight (our option). We pay all transportation and packing charges. See page 1.

Culture.—Peas thrive best in a rich soil and moderate temperature. Smooth seeded varieties are extremely hardy and can be planted quite early about 2 to 3 inches deep. Wrinkled varieties are not so hardy but are of superior quality. They should be planted when the ground is warm and dry and if they are planted quite early they should be covered only 1 inch to prevent rotting in the ground.

For dwarf varieties make the rows 20 to 30 inches apart and for tall varieties make them 30 to 36 inches apart. The seed should be placed 1 to 2 inches apart in the row. In the home garden, double rows, 6 inches apart, with brush or trellis between is ideal for conservation of space. Cultivate often and gather the crop as rapidly as it is fit for use. Successive sowings will provide food over a longer period.

Two pounds sow 100 feet of row; 75 to 100 lbs. sow an acre
2 pounds equal 1 quart, 15 pounds 1 peck, 56 pounds 1 bushel

Early Dwarf Wrinkled Varieties

Little Marvel. This Pea has been rightly named. It is an early wrinkled sort, grows about 12 to 15 inches tall, and bears heavily. There is no earlier wrinkled Pea and the quality satisfies everybody. Adapted to home-gardens. Pods dark green, 3 inches long, round with square end, and often contain seven rich, dark green Peas. Little Marvel outsells Premium Gem, American Wonder, and Nott's Excelsior. Looks like it's the best in its class. 63 days. Large Pkt. 10 cts.; ½lb. 25 cts.; lb. 40 cts.; 5 lbs. $1.15; 10 lbs. $2.20; 25 lbs. $5.25.

Laxton's Progress Pea

Laxton's Progress. The earliest of the large-podded dwarf varieties. Fully as large as Laxtonian and at least 4 days earlier. Pods are a deep green in color, pointed, and contain eight large dark green peas of delicious, sweet flavor. Vines grow 15 to 18 inches high and are very productive. 64 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. $1.10; 10 lbs. $2.10; 25 lbs. $5.

Laxtonian. This is a 3¾ to 4 inch giant-podded, early dwarf Pea having large, dark green pods and Peas, of finest quality. Vines 22 inches high. Is taking the place of Peter Pan and Pioneer. 67 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. $1.05; 10 lbs. $2; 25 lbs. $4.75.

Blue Bantam. Claimed to be an improvement on the above large-podded dwarf Peas. Grows 15 inches high with fine, dark foliage, pods, and Peas. Pods 4 inches long with eight Peas of fine quality. 65 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. $1.05; 10 lbs. $2; 25 lbs. $4.75.

Nott's Excelsior. Extra-early, dwarf, wrinkled Pea. Foliage medium green and rather heavy. 12 to 15 inches high. Pods 3 inches long, filled with large sweet Peas, and all are ready to pick at once. A great yielder. 59 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 95 cts.; 10 lbs. $1.80; 25 lbs. $4.25.

PREMIUM GEM. Pods are 3 inches long, light green, round, with blunt end, having an average of six light green Peas of good quality. Vines 18 inches. 65 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 95 cts.; 10 lbs. $1.80; 25 lbs. $4.25.

AMERICAN WONDER. Esteemed for earliness, productiveness, and quality. It grows about 10 inches high, and produces pods about 2½ inches long which are filled with fine-flavored peas. 60 days. Large Pkt. 10c; ½lb. 20c; lb. 30c; 5 lbs. $1; 10 lbs. $1.90; 25 lbs. $4.50.

We offer many real bargains in flower seed collections throughout this book. Take advantage of them and have more flowers.

Early Tall Smooth Varieties

Livingston's Prolific Early Market. A smooth pea that compares with our "First-in-Market" variety. The pods are longer and contain more peas which are very sweet and fine flavored. Vines 30 inches high and very productive. 58 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 90 cts.; 10 lbs. $1.70; 25 lbs. $4.

Livingston's First-in-Market. A productive variety, ripening uniformly so that almost every pod may be gathered at one picking. Pods are handsome, straight, 3 inches long and full of medium-sized round peas. Vines 24 to 30 inches high. 58 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 90 cts.; 10 lbs. $1.70; 25 lbs. $4.

EXTRA-EARLY ALASKA. A good canning variety. Blue-green smooth Peas which retain their color after cooking. Matures early and all about the same time. 5 to 6 Peas to a pod. 57 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 90 cts.; 10 lbs. $1.70; 25 lbs. $4.

INOCULATE THIS SEED WITH NOD-O-GEN

You can have better Peas this season by using this culture. Nod-o-gen Inoculator insures a catch, hastens maturity, increases the crop, and enriches the soil. Peas need nitrogen. Nod-o-gen Inoculator will supply it. Easily applied.

HOME GARDEN COMBINATION SIZE

For Peas and Beans

15c. Postpaid

See page 11 for other sizes.

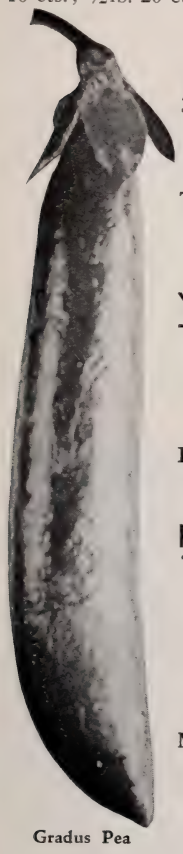
and Tender Garden Peas

Chicaros o Guisantes

Early Tall Wrinkled Varieties

Thomas Laxton. The vine grows about 3 feet high. Pods large, 4 inches long, with square ends, uniformly well filled. Yields more shelled Peas than Gradus. The green Peas are very large, fine colored and unsurpassed in quality. 62 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. $1; 10 lbs. $1.90; 25 lbs. $4.50.

Gradus or **PROSPERITY.** This extra-fine variety combines earliness with large size. In earliness, the Gradus follows closely after the first earliest. In height, it grows about 3 feet. The pods are long, straight and handsome. Peas of superb quality. It produces pods measuring 4 to 4½ inches in length, well filled with large, handsome Peas. 65 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. $1; 10 lbs. $1.90; 25 lbs. $4.50.



Gradus Pea

Main Crop Tall Wrinkled Varieties

Alderman. **(Dark-podded Telephone.)** A late wrinkled variety growing about 4 feet high and bearing freely large pods of Peas of a dark green color, and on this account considered by many superior to Telephone. Quality extra fine. 72 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 95 cts.; 10 lbs. $1.80; 25 lbs. $4.25.

TELEPHONE. Vine large, with coarse leaves; height about 4 feet. The large light green pods are filled with large Peas, tender, sweet, and of fine quality. 72 days. Large Pkt. 10c; ½lb. 20c; lb. 30c; 5 lbs. $1; 10 lbs. $1.90; 25 lbs. $4.50.

Yankee Prince. A fine type of the large medium green, large-podded sort. Height of vine 4 feet. Pods 4 to 5 inches long and contain eight or nine Peas of fine quality. 72 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 95 cts.; 10 lbs. $1.80; 25 lbs. $4.25.

Main Crop Dwarf Wrinkled Varieties

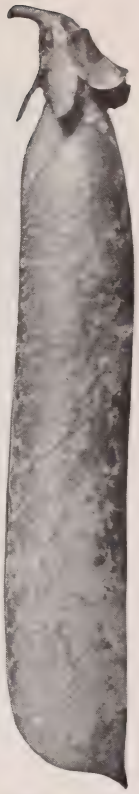
IMPROVED STRATAGEM. Strong, vigorous vines having large pods, 5 inches in length, containing eight to ten large, rich Peas. 83 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 95 cts.; 10 lbs. $1.80; 25 lbs. $4.25.

Potlatch. A late variety of great value, growing 24 inches high, with very large pods, measuring up to 6 inches in length. Vines and pods are a rich, dark green, and pods contain eight or nine immense Peas. The plant is a vigorous grower and the pods are borne in pairs. It is a great producer and the quantity of Peas which shell out is surprising. Considered an improvement on Stratagem. 83 days. Large Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 95 cts.; 10 lbs. $1.80; 25 lbs. $4.25.

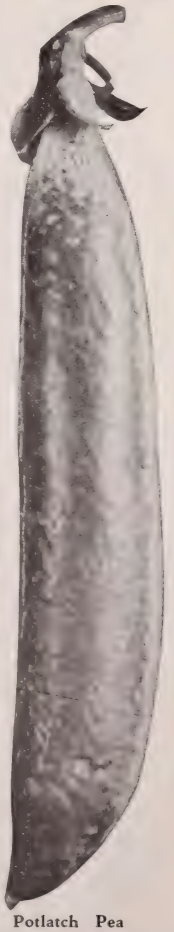
A Good Edible Pod Pea

MAMMOTH MELTING SUGAR. Differs from other varieties in that the pods are cooked the same as beans. Pods are very large, fleshy, and of fine quality. Vines are about 3 to 4 feet in height. 84 days. Large Pkt. 10 cts.; ½lb. 25 cts.; lb. 40 cts.; 5 lbs. $1.15; 10 lbs. $2.20; 25 lbs. $5.25.

ASK FOR PRICES OF PEAS IN LARGER QUANTITIES



Thomas Laxton



Potlatch Pea

William Rall, Saline County, Nebraska, writes: *"Everybody marvels at the stand of the little marvel pea. The first time I have used your seed and believe I will be a continued customer."*

You Should have a "TRUE BLUE" Garden with LIVINGSTON'S "TRUE BLUE" SEEDS

No Better Seeds Can be Purchased at any price.

Painted Pot Labels

Sizes	Postpd. with seed order. 50	100	Not postpd. Wgt. per 1000	1000
4 x ⅝	$0.30	$0.50	4 lbs.	$ 2.00
4½x ⅝	.30	.50	5 lbs.	2.10
5 x ⅝	.35	.55	5 lbs.	2.20
6 x ⅝	.40	.60	6 lbs.	2.50
8 x ⅝	.50	.80	9 lbs.	4.00
10 x ⅝	.60	1.00	11 lbs.	5.00
12 x ⅝	.75	1.25	15 lbs.	6.00
8 x ⅞	.75	1.25	14 lbs.	6.00
10 x ⅞	.90	1.50	18 lbs.	7.20
12 x1⅛	1.25	2.00	30 lbs.	10.00

Copper Wired Tree Labels

Painted, durable wood labels. Ideal for marking trees, shrubs, Dahlia tubers, Canna bulbs, etc.

Size, 3½x⅝inch, 50 cts. per 100; $1.50 for 500; $2.45 per 1,000, **not postpaid. Add postage.** Weight, 5 lbs. per 1,000.

LIVINGSTON'S COLLECTION OF THE BEST THREE PEAS FOR THE HOME GARDEN

Contains an early, medium and late variety. All superior, sweet, tender and delicious. Will supply you with a succession of Peas over a long period.

NOTT'S EXCELSIOR.
TELEPHONE.
GRADUS.
One packet of each 25c.
½lb. of each, 50c.
1 lb. of each, 75c.

Livingston's Sweet

California Wonder Pepper
One of our largest selling varieties

Culture.—Peppers should be started in a hotbed or coldframe and transplanted about the end of May into a sunny corner of the garden, in rows about 2 feet apart, with the plants about the same distance between them in the rows. They can be sown ½ inch deep in open ground in a seed-bed when all danger from frost has passed and the weather has become settled and the soil warm. When the little plants are about 3 inches in height, transplant as above into the rows where they are to remain. Some very rich fertilizer, stirred into the soil when the plants are about 6 inches high, will be beneficial. Maturities given are from transplanting dates.

One ounce of seed will produce about 1,500 plants
5 to 6 ounces to an acre

Harris Early Giant. **Earliest of all large-fruited sorts.** The plants are of vigorous growth and covered with enormous Peppers about 4 inches long and 3 inches through. The Peppers are deep green, turning to brilliant red, with thick flesh, of sweet, pleasant flavor. Fruits begin setting when the plants are quite small. Illustrated on page 10. 52 days. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.15; lb. $3.50.

Oshkosh. Glossy green when growing, and many are used at this time. Bright canary yellow when ripe. Large, smooth, slightly ribbed, heart-shaped fruits. Prolific. 60 days. Pkt. 5 cts.; ¼oz. 20c; ½oz. 30c; oz. 50c; ¼lb. $1.60; lb. $5.

California Wonder. A very striking new sort of large size and having wonderfully thick flesh—often ¼ to ⅜ inch thick which is deliciously crisp, tender, and sweet, like the finest pimentoes. In color it is a brilliant dark green, changing to crimson when ripe, and is of uniform shape and smoothness. (See illustration above.) Should be grown on heavy soil for best results. 65 days. Pkt. 5c; ¼oz. 20c; ½oz. 30c; oz. 50c; ¼lb. $1.60; lb. $5.00.

Livingston's Extra-Early Red Prolific Pepper

Livingston's Ohio Crimson. **The sweetest and biggest Mango Pepper.** Introduced by us in 1906. Robust, stocky, and a sure cropper. The fruit is extra large and heavy, owing to thick flesh. It is very mild. Splendid for making mangoes. 65 days. Pkt. 5 cts.; ¼oz. 20 cts.; ½oz. 30 cts.; oz. 50 cts.; ¼lb. $1.50; lb. $4.50.

Livingston's Extra-Early Red Prolific. This variety is very early, bright red, and exceedingly prolific. A very sure cropper on all kinds of soil. The fruits average 3 inches in length by 2½ inches in diameter. 45 days. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.15; lb. $3.50.

Livingston's Prolific Yellow. **Very early, very productive, very mild. Introduced by us in 1914.** Quite similar to our Extra-Early Red Prolific except in color. Immensely productive of bright yellow fruits of the most convenient size for stuffing. 48 days. Crop failure; cannot offer this season.

Sunnybrook. The Sunnybrook is larger and an improvement on the older type of the tomato-shaped Pimento. It comes into bearing early, is very productive, has very thick, sweet flesh, and is a brilliant red. The best of this type. 53 days. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.10; lb. $3.25.

Sweet Salad. **or Perfection.** A good sort for the home-garden, both green and ripe. Smooth and uniform, heart-shaped, beautiful scarlet when ripe. Sweet and delicious. Very productive. Yields better in Southern sections. 60 days. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.10; lb. $3.25.

TOMATO-SHAPED. This thick-meated Pepper has a very mild-flavored brilliant red flesh. Comes early and is productive. Smaller than Sunnybrook. 56 days. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.10.

See Vegetable Novelties, pages 8 to 11

Sunnybrook Pepper

and Hot Peppers

Pimento

Mammoth Ruby King Pepper

Mammoth Ruby King. Its splendid size and handsome appearance make this Pepper sell most readily. The plants are vigorous, very bushy, growing about 2 feet in height, well branched, thickly set with large fruits, some 5 to 6 inches long by about 3 inches thick. 59 days. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.10; lb. $3.25.

World Beater. The shape is like Ruby King and the size almost equal to Chinese Giant but not so broad. A vigorous grower, sure cropper, and very prolific. The fruit is a beautiful scarlet, exceedingly mild; flesh thick and firm, making this variety an excellent shipper. Rapidly growing in favor, especially in the South. 50 days. Pkt. 5c; ¼oz. 15c; ½oz. 25c; oz. 40c; ¼lb. $1.10; lb. $3.25.

Chinese Giant. It is of mammoth size, splendid shape, 4 to 5 inches broad and of equal length, beautiful, rich, glossy, bright red flesh, and mild flavor. Strong, bushy plants. 63 days. Pkt. 5 cts.; ¼oz. 20 cts.; ½oz. 30 cts.; oz. 50 cts.; ¼lb. $1.60; lb. $5.00.

RUBY GIANT. A variety somewhat similar to Ruby King, but the fruits are larger and a little broader at the blossom end. The flesh is very thick, firm, and mild. 52 days. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.10; lb. $3.25.

LARGE BELL or BULLNOSE. This Pepper is a good early variety and of mild flavor. It is of medium size with skin fairly thick and fleshy. 50 days. Pkt. 5 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. $1.00; lb. $3.00.

Long Red Cayenne Pepper

Livingston's Improved Thick Long Red Pepper

MIXED MANGOES. A choice mixture containing a large number of the best sweet varieties suitable for stuffing and mangoes. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.

Hot Varieties

Livingston's Improved Thick Long Red. Introduced by us in 1889. **A great improvement on the ordinary Long Red Cayenne,** with handsome bright red pods of about the same length, but much thicker. (See illustration which shows normal size.) The flesh is thick and very hot. Exceedingly prolific. Produced early in the season while prices are high. 50 days. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.10; lb. $3.25.

SMALL CAYENNE (Red Chili). The pods are 1½ inches long; very hot. Used for making pepper sauce. 50 days. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.10.

LONG RED CAYENNE. Three to 4 inches long, quite narrow and hot. 50 days. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.10.

"RED HOT" MIXTURE. Includes a number of small, ornamental sorts which are as "hot as fire." Pkt. 5 cts.

Rhabarber

Rhubarb or Pie Plant

Ruibarbo

Culture—Requires a deeply cultivated and thoroughly manured soil. Sow the seed 1 inch deep early in the spring, in rows 1 foot apart. The second autumn after planting, plants can be replanted 2 feet apart to the permanent place in the garden allotted to them.

One ounce of seed will produce 500 plants.

VICTORIA. Most generally used variety. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

Some Pleasing Reports from Old Customers

Arthur Fales, Worcester County, Massachusetts, writes: *"47 years doing business with you and not a kick."*

W. C. White, Washington County, Vermont, writes: *"This makes the 28th order we have sent you, with never a poor seed yet."*

Mrs. John D. Sanders, Brooke County, West Virginia, writes: *"Have been using your seeds for 45 years and still recommend them."*

Mrs. A. K. Gossom, Garfield County, Oklahoma, writes: *"I have ordered seed from you for years—and am always pleased with results."*

David E. Elrod, Jasper County, Iowa, writes: *"My first order went to you 42 years ago.*

Have Crisp Radishes

Early Scarlet Globe Radish

Cultures—All varieties thrive best in light, sandy loam. For early use, sow in the hotbed in February, giving plenty of ventilation, or outside in the garden, in drills 1 foot apart as soon as the soil is warm and dry. Cover seed ½ inch deep. Sow every two weeks from March until September for a succession of crisp Radishes for table use. Radishes must grow rapidly to be crisp, mild-flavored, and tender. We offer a very fine assortment.

One ounce of seed will sow 100 feet of drill; 8 to 10 pounds will plant an acre.

Round and Oval Varieties

Cooper's Sparkler. **(SCARLET TURNIP WHITE-TIP.)** A splendid, crisp variety of the Scarlet Turnip White-tipped type, but showing more white, while the upper half is a bright scarlet. Illustrated on page 10. 25 days. Pkt. 5c; oz. 10c; ¼lb. 25c; lb. 80c.

Crimson Giant. Larger than other early varieties, but does not become pithy, even when fully twice as large in diameter and a week older. Has replaced Early Scarlet Turnip. Crimson-carmine; turnip-shaped. 27 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 80 cts.

Livingston's Selwel. An increasing demand on some markets for a Radish with a larger portion of white than in Cooper's Sparkler has prompted us to offer Selwel. The upper half of the bulb is a pleasing scarlet while the lower portion is pure white. It is almost round, is one of the first ready for use, and on account of its very attractive appearance should at once become popular. 25 days. Pkt. 5c; oz. 10c; ¼lb. 25c; lb. 90c.

Rosy Gem. One of the earliest. It is perfectly globular, rich brilliant scarlet at top, blending into pure white at bottom, tender and crisp. The greenhouse strain of Cooper's Sparkler. 25 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.

LARGE WHITE SUMMER TURNIP. A round, smooth, very white, large Radish. Crisp, tender, long-standing. 31 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.

EARLY SCARLET TURNIP. Quite early, small, round Radish with rich dark scarlet skin. 27 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 70 cts.

Early Scarlet Globe. Most popular of all globe-shaped early Radishes. Used more than any other variety by market gardeners for both forcing and open ground. A splendid round or globe-shaped sort with bright red skin and pure white flesh which is crisp, tender and of delicious flavor. We take much pride in the quality of our stock. Illustrated in color on inside back cover. 25 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 80 cts.; 5 lbs. $3.50.

Saxa. This variety is of a beautiful scarlet color, round as a marble, crisp and juicy. Very small top and tap-root. It comes so quick that it has been placed on the dining-table in three weeks from the time of sowing seed. 25 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.

Fireball. **(NON PLUS ULTRA).** A pretty little round Radish, deep, rich scarlet in color, with very small tops and crisp, tender, white flesh. A little earlier than Scarlet Globe, but not quite so large. 25 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 70 cts.

EARLY SNOWBALL. One of the quickest growing Radishes besides being one of the prettiest round varieties in the whole list; white as snow, smooth, crisp, and extremely tender. 30 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 70 cts.

MODEL WHITE BOX. A short-topped Radish of rapid growth, perfect turnip shape, and extra-fine quality. 28 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 80 cts.

GOLDEN GLOBE. Most perfect globe-shaped; golden colored skin; white flesh, tender, brittle; withstands heat. 31 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 85 cts.

Use the Successive Plan to obtain the most from your garden. Harvest a crop, then plant another.

If you like "greens" you should plan for an all summer supply. Swiss Chard, Spinach, Mustard, Kale, Turnip, Endive, Dandelion, Collards, Cress, Lettuce, are all fine and healthful. (See "Greens" Coll., p. 72.)

And here's Garden Wisdom. No money is saved by buying cheap seed. Invariably, the cheaper the seed the lower the germination, therefore this kind of seed costs more in the end.

Saxa Radish

From Spring Until Late Fall

Cincinnati Market Radish

Long Varieties

Cincinnati Market. This superb Radish originated in southern Ohio. **We introduced it to our trade in the spring of 1895. It has become so deservedly popular that we have had to grow it in large quantities to supply the demand.** It is an improvement of Long Scarlet Short-Top. The tops are so small that the Radishes may stand very close in the rows. It grows straight and smooth, 6 to 7 inches in length. The skin is a beautiful scarlet, very thin; flesh crisp, brittle, and of delightful flavor. 32 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 70 cts.; 5 lbs. $3.00.

Lady Finger or **LONG WHITE VIENNA.** Beautiful shape, with skin and flesh pure white, very crisp and tender. Rapid grower and long standing. Later than Long White Icicle. 36 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.

WHITE DELICIOUS. Of distinct half-long form, tapering to a point. They grow to good size, are of handsome appearance, and the pure white flesh is crisp, solid, and of mild flavor. A good summer variety. 30 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 80 cts.

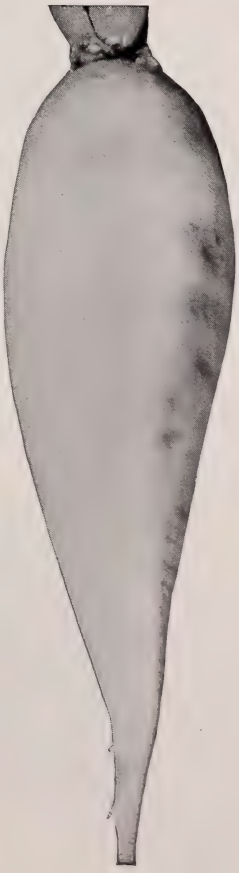
GIANT WHITE STUTTGART. A large, top-shaped sort with flesh and skin white, firm and brittle. Can be stored for winter the same as turnips. 48 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 85 cts.

IMPROVED CHARTIER. A clear rose-colored, long Radish, shading into pure waxy white at the tips; attains large size; grows fast. 35 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 70 cts.

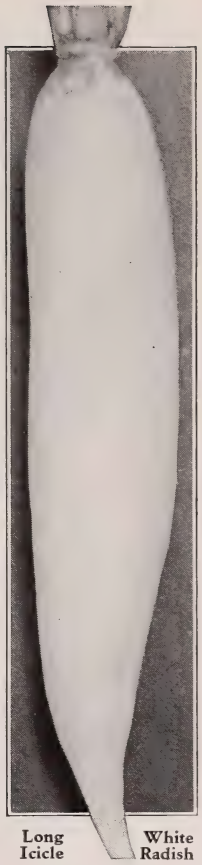
Livingston's Pearl. A beautiful, pearly white, half stump-rooted variety of exceptional merit. It is very crisp and after having reached its best condition, it remains in good shape for two weeks or more before becoming woody or showing signs of going to seed. We can heartily recommend this variety to home-gardeners. 29 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 85 cts.; 5 lbs. $3.75.

FRENCH BREAKFAST. Oval, scarlet sort, tipped with white; mild and tender. 25 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 70 cts.

WHITE STRASBURG. Handsome, oblong tapered Radish with pure white skin and flesh, firm, brittle, and crisp. Excellent for summer use as it withstands heat. 41 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 85 cts.



White Strasburg



Long Icicle — White Radish

Long White Icicle. One of the very best white radishes for either home or market growing. Has a delightful flavor; is very crisp and tender. Grows 4 to 5 inches long; straight, slightly stump-rooted and of transparent whiteness. Will stand a long time without becoming woody. We would suggest growing Icicle as a companion to Early Scarlet Globe round radish for combination servings. (See colored illustration, inside back cover.) 29 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 80 cts.; 5 lbs. $3.50.

Our All-Season Mixture

ONE SOWING—RADISHES ALL SEASON

Contains all shades and shapes—red, white, pink, variegated; round, half-long and long—in great variety. Just fine for small gardens, where space is limited, and where you want to make a garden and be done with it. One sowing does for the whole season. Large pkt. 5c; oz. 10c; ¼lb. 25c.

It's easy to order our way
We pay transportation on all seed

Garden Trowels

Transplanting Trowel. 35 cts. Postpaid.
Pressed Steel. 6-in. 45 cts., postpaid.
Forged Steel. 5-in. 60c; 7-in. 75c., **postpaid.** Be sure to state size wanted.

Best Winter Radishes

White Chinese Winter or NEW CELESTIAL. Large Radish with white skin and flesh. Can be sown from July 1 to August 15, and will keep in prime condition a long time; mild in flavor; brittle and never woody. 48 days. Pkt. 5c; oz. 10c; ¼lb. 25c; lb. 85c.

CHINESE ROSE WINTER. A very handsome and distinct bright rose variety, crisp and tender; cylindrical in shape, very smooth. Keeps through autumn and winter. 48 days. Pkt. 5c; oz. 10c; ¼lb. 25c; lb. 85c.

LONG BLACK SPANISH WINTER. Grows 7 to 8 inches long. Diameter about 1¼ inches. Skin black; flesh white and firm. 50 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 85 cts.

ROUND BLACK SPANISH WINTER. Similar to Long Black Spanish, except in shape. 50 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 85 cts.

Select Spinach *Espinaca*

Bloomsdale Savoy Reselected Spinach

Culture—Will succeed in any ordinary garden soil and can be grown as a spring or summer crop. Sow in rows 12 to 18 inches apart, cover seed 1 inch deep and thin to 2 to 3 inches apart. For spring crop, sow in August or September and cover lightly with straw or other litter at approach of cold weather.

One ounce of seed will sow 50 feet of drill; 12 to 15 pounds will plant an acre

King of Denmark. **The New Evergreen Spinach.** It is fit for use in thirty days from time of sowing, and remains in good condition fully two weeks after other varieties have started seed-stalks. It has a beautiful crumpled, dark green, thick leaf of fine quality. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 15 cts.; lb. 40 cts.

Juliana. Best second-early variety. Same type as Victoria, but very slow to run to seed. Dark green crumpled leaves, rounded and thick, and short leaf-stems. Our seed is from the originator. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 15 cts.; lb. 40 cts.

Virginia Blight-Resistant Savoy. Fine for fall planting, about August 15, but tends to go to seed when grown as spring crop. Type, same as Bloomsdale but darker. Valuable where blight is prevalent. Pkt. 5c; oz. 10c; ¼lb. 15c; lb. 40c.

OLD DOMINION. The same as Virginia Blight-resistant in type and quality. Will eventually take the place of it because of its long standing qualities which permits early spring planting. Illustrated on page 10. Pkt. 5c; oz. 10c; ¼lb. 15c; lb. 50c.

Bloomsdale Savoy Reselected. A new selection from Bloomsdale Long-Standing (below) which has the completely crumpled and blistered leaves and long standing qualities, but in which the male plants have been eliminated, preventing it shooting to seed so early. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 15 cts.; lb. 40 cts.

Bloomsdale Savoy Long-Standing. A new strain of merit. It is just as early as the old-type Bloomsdale, but stands in marketable condition ten to fourteen days longer. Intensely crumpled, blistered, uniform, deep glossy green leaves. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 15 cts.; lb. 40 cts.

New Zealand. A distinct type. The plants grow in branching form, with thick, succulent leaves. The leaves and stems can be gathered at any time after they are well grown and the plants will start out into new growth. Thrives during hot weather and in any soil. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.

IMPROVED THICK LEAF (Viroflay). Good for fall or spring sowing. Has heavy, broad, dark green, curled leaves of fine quality. Inclined to shoot to seed early. Pkt. 5c; oz. 10c; ¼lb. 15c; lb. 35c.

PRICKLY-SEEDED WINTER. Triangular, oblong, or arrow-shaped leaves. Seed prickly. Hardiest of all, therefore best for fall sowing where winters are severe. Pkt. 5c; oz. 10c; ¼lb. 15c; lb. 35c.

Nobel. **(Big Crop).** This is, no doubt, the best of the so-called "smooth-leaved" sorts. It produces a large mass of rather smooth, very thick, rounded leaves of enormous size, and although it is a very quick grower, it stands very long before bolting. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 15 cts.; lb. 40 cts.

Swiss Chard or Spinach Beet

A peculiar variety of Beet, of which the leaves only are used as "greens" when young, and are equally delicious when allowed to mature. The broad, white leaf-stalks or midribs can be cooked and served like asparagus. Produces from July until fall. Desirable for greens in summer when spinach cannot be grown.

Fordhook Giant. Leaves broad, upright in growth, very dark green, savoyed, with broad white midrib. This variety, on account of its giant size and pleasing deep green color, will probably supersede other sorts. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 30 cts.; lb. $1.

Lucullus. An improved variety yielding an enormous crop of delicious "greens." The plants grow 2 feet tall and consist of about a dozen creamy white, beautifully curled leaves. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 65 cts.

Special "Greens" Collection

TURNIP, Shogoin — SWISS CHARD, Lucullus
MUSTARD, Giant Curled — SPINACH, Juliana
1 pkt. Ea. (Value 20c) 15c

Salsify or Oyster Plant

Culture—Good substitute for oysters. Sow early, in rows 1½ feet apart, and cover firmly 1 inch deep; thin to 3 inches apart in the rows. Will stand winter weather.

One oz. will sow 50 feet of drill; 8 lbs. will plant an acre.

Mammoth Sandwich Island. Mammoth size and very uniform. Mild and delicious in flavor. 140 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 50 cts.; lb. $1.75.

Noble or Big Crop Spinach

Speise-Kürbis Squash *Sidracayote*

Culture.—Plant after weather has become fully settled and the ground is warm and dry, in hills 5 to 6 feet apart for bush varieties, and 6 to 8 feet apart for running varieties. Hills should be thoroughly manured. Slightly elevate the hills and place seven or eight seeds in each, finally leaving but three plants. Press the seeds down firmly before covering, and cover early planted ones 1 inch deep, and late ones 1½ inches.

One ounce of seed makes 40 hills, 3 to 4 pounds to an acre

Summer Varieties

Early White Bush. **(Patty-Pan).** The flat patty-pan shaped fruits are 6 to 8 inches in diameter and ready for use very early in the summer. They should be eaten when young and tender. 50 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 30 cts.; lb. $1.00.

Giant Golden Summer Crookneck. Popular variety. **The largest and best of all Summer Crookneck Squashes.** It is of dwarf, bushy habit and very productive, bearing early and all summer. The fruits are rich golden yellow, thickly warted. 58 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

GIANT GOLDEN STRAIGHTNECK. Same as above except in shape. 58 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

FORDHOOK. Fruits of convenient small size for family use with thick, dry, sweet flesh, thin skin, and small seed cavity. Matures early; immensely productive. Used as a summer sort or stored for winter. 60 days. Pkt. 5c; oz. 15c; ¼lb. 35c; lb. $1.10.

MAMMOTH WHITE BUSH SCALLOP. Excellent large strain, 10 to 12 inches in diameter, and creamy white. Nearly as early as Patty-Pan. 60 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 30 cts.; lb. $1.

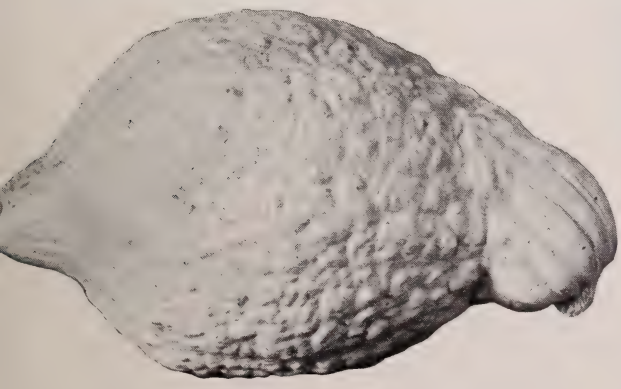
MAMMOTH YELLOW BUSH SCALLOP (Golden Custard). Deep orange in color, 8 to 10 inches in diameter. For early summer use. 60 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.10.

ZUCCHINI. A delicious light colored Italian variety. Should be used when about 5 to 6 inches long. Quarter lengthwise and serve same as Asparagus. 55 days. Pkt. 5c; oz. 15c; ¼lb. 35c; lb. $1.25.

COCOZELLE. An Italian summer variety of bush habit. The fruits are oblong, 12 to 16 inches in length and 5 inches in diameter, slightly ribbed; color marbled yellow and dark green stripes. 60 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

Livingston's Squash Mixture

One sowing will produce Squashes for the season. Large pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.



Blue Hubbard Squash

White Bush Scallop Squash

Fall and Winter Varieties

Acorn. **(Table Queen.)** Averages about 6 inches long by 4 inches wide, just right to serve one-half to a person. Color is a dark green, except when over-ripe, when it changes to buff; flesh is orange color and fine-grained. 75 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

Livingston's Improved Cushaw. Crookneck sort, mottled green and white striped. Flesh yellow, solid, fine-grained and very sweet. 75 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.10.

LIVINGSTON'S PIE. Size, 8 to 10 inches in diameter; skin colored similar to the Golden Russet Apple; flesh yellow, thick and very sweet. 90 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 30 cts.; lb. $1.

BOSTON MARROW. 90 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 30 cts.; lb. $1.

GREGORY'S DELICIOUS. 80 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

Chicago Warted Hubbard. Large size; dark green color, distinguished by a dense covering of knots indicating splendid quality; thick yellow flesh. Long keeper. 100 days. Pkt. 5c; oz. 15c; ¼lb. 35c; lb. $1.25.

Blue Hubbard. Large variety having a hard blue-gray shell. Long-keeping; good quality. 95 days. Pkt. 5c; oz. 15c; ¼lb. 35c; lb. $1.25.

GOLDEN or RED HUBBARD. Skin bright, rich orange-red; shell hard and warty; flesh deep golden yellow, fine-grained, of splendid flavor, cooks dry. 100 days. Pkt. 5c; oz. 15c; ¼lb. 35c; lb. $1.10.

HUBBARD. Color bluish green. Flesh rich orange-yellow, fine-grained, sweet; will keep until spring. 100 days. Pkt. 5c; oz. 15c; ¼lb. 35c; lb. $1.25.

Sunflower

MAMMOTH RUSSIAN. Gigantic growth; heavy foliage which is sometimes mixed with corn as ensilage; large flower heads filled with seed which makes good food for poultry. Use 10 to 12 pounds of seed to the acre. Pkt. 5 cts.; ¼lb. 15 cts.; lb. 25 cts.; 5 lbs. 75 cts.

Cane Stakes

Dyed green, 18-in., 40 cts. for 50; 75 cts. per 100; $2 per 1,000; 3-ft., 80 cts. for 50; $1.50 per 100; $4 per 1,000; 4-ft., $1.25 for 50; $2.25 per 100; $6 per 1,000, **not postpaid.**

Raffia

Best Grade. Fine for tying up all plants. Lb. 40cts.; 10 lbs. at 35 cts. per lb.; 25 lbs. at 30 cts. per lb.; 100 lbs. at 28 cts. per lb., **not postpaid.**

Livingston's Famous

Tomato Culture

In this locality, for very early fruit, the seed should be sown in a hotbed about the first week in March, in drills 5 inches apart and ½ inch deep. Later sowings may be made until the last of April. You can approximate your sowing date from this according to your location. (Sufficient plants for a small garden can be started by sowing a few seeds in a shallow box or flower-pot and placing in a sunny window in the house.) When the young plants are about 2 inches high, they should be set 4 to 5 inches apart in another hotbed or coldframe, or transplanted into small pots, allowing a single plant to a pot. Expose to the air as much as possible to harden them for planting out. Water freely at the time of transplanting in the open ground and shelter from the sun a few days until the plants are thoroughly established. Cultivate as long as the vines will permit, but the last two or three workings of the soil should be very shallow. The use of fertilizer, high in potash, makes tomatoes more solid and tends to keep them from cracking.

Tomatoes grow splendidly trained to stakes or trellises. The fruits are of better quality and appearance and ripen earlier. This method is common with market gardeners and is practiced by private gardeners where neatness and conservation of space is desired. The usual method is to set one strong plant to a stake 5 to 7 feet high, tying the plant up with wool or other strong, soft twine, and pruning quite freely as the vine advances in growth. By this method plants may be set much closer than in the ordinary way. Ask for Tomato Booklet giving more detailed instructions. **About 2,000 plants will be produced from one ounce of seed. 4 ounces will plant an acre. Maturities given are from transplanting to first ripe fruit.**

Livingston's Special Collection of Tomatoes

These are our own introductions and you will find no better for all around Home Garden purposes.

LIVINGSTON'S GLOBE, Pink
LIVINGSTON'S STONE, Red
LIVINGSTON'S GOLD BALL,
Fine for Preserving
1 Packet of Each (Value 15c) 10c
¼ oz. of Each (Value 45c) 30c

Livingston's Giant Oxheart Tomatoes

The Big Tomato Everybody Is Talking About

Truly the giant of them all. Different from any Tomato you have ever grown in shape, size or in flavor. Three pound specimens are quite common; one customer sent us a single fruit that weighed five pounds. Very popular with both market and home gardeners. Deserves a place in every garden this season.

Livingston's Giant Oxheart Tomato

Livingston's Giant Oxheart

Introduced by us in 1925

This attractive pink skinned variety was the original introduction. It is exceedingly smooth and tender and almost seedless; frequently showing 2 inches thick without a seed cavity. It has that delicious mild flavor that every lover of this fruit likes so well. Its attractive shape, large size and excellent table qualities has brought it into deserved popularity with all who have grown it. Rich soil adds greatly to its productiveness. Late variety. 87 days. **Selected seed, grown by us.** Pkt. 15 cts.; ¼oz. 30 cts.; ½oz. 55 cts.; oz. 85 cts.; ¼lb. $2.50.

Livingston's New Yellow Oxheart

Introduced by us in 1929

A new variety of our Oxheart-type Tomato. All our customers who are familiar with Livingston's Oxheart, and who did not try this new yellow one last season, should give it a trial this year. It is of the same shape as the original, but the skin and flesh are a rich shade of yellow. A platter of slices of the Yellow Oxheart, mixed with slices of the original Pink Oxheart, makes an appetizing dish. Try it. 85 days. Pkt. 15 cts.; ¼oz. 40 cts.; ½oz. 60 cts.; oz. $1.00; ¼lb. $3.00.

Mrs. R. E. Needham, Macon County, Missouri, writes: *"Planted your yellow Oxheart Tomato last year. They were the largest, most tender and most beautiful tomato I ever saw. Every one praised them."*

W. M. Deffenbaugh, Fayette County, Pennsylvania, writes: *"I have raised some of your Pink Oxheart. I had some to weigh 3½ pounds and had one stalk that had 22 large tomatoes on. Not one of them weighed less than one pound."*

High-Quality Tomatoes

Alexander W. Livingston
Tomato Pioneer and
Founder of our Company.

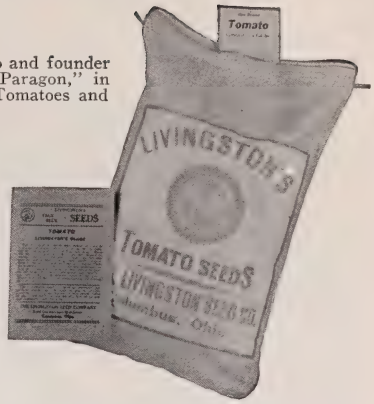
Pioneering the Tomato

Mr. Alexander W. Livingston, pioneer of the modern tomato and founder of our Company, introduced the first modern tomato, his "Paragon," in 1870. This was the beginning of Livingston's supremacy in Tomatoes and the now world wide demand for this luscious vegetable.

Livingston's Tomato Introductions

***Those marked with Asterisk (*) are no longer offered.**

1870—Paragon	*1901—Royal Colors
1875—Acme	*1901—Dandy Dwarf
1880—Perfection	*1901—Multicolor
1882—Golden Queen	*1901—Princess
1883—Favorite	*1901—Grandus
1886—Beauty	1902—Dwarf Stone
*1887—Potato Leaf	*1903—Purple Dwarf
1889—Stone	1905—Globe
*1892—Royal Red	*1907—Hummer
1892—Gold Ball	1908—Coreless
1893—Buckeye State	1917—Manyfold
*1893—Aristocrat	1923—Rosy Morn
*1893—Rose Peach	1925—Giant Oxheart
*1897—Honor Bright	1927—Hansing's Marvel
*1898—Yellow Prince	1929—Yellow Oxheart
1900—Magnus	1929—Ohio Red
*1901—Aristrobright	1930—Ideal



Livingston's Tomatoes are sold in Packets to Pounds.

Livingston's Red Tomatoes

New Pritchard Tomato

The Pritchard. **(Wilt-resistant).** A new variety of merit, developed by the late Dr. Fred J. Pritchard. It is a cross between Marglobe and Cooper's Special; inherits the good qualities of the well known Marglobe and its self-topping characteristics from Cooper's. Fruits are of medium size, solid and slightly globular. The color is scarlet with dark red interior, a feature that should make it a popular canning variety. Vines are short and branching with fruit clusters of about 5 each. Good rich soil adds to its productiveness. 60 days. Pkt. 5 cts.; ¼oz. 20 cts.; ½oz. 35 cts.; oz. 55 cts.; ¼lb. $1.70; lb. $5.50.

Greater Baltimore. A heavy, firm, thick meated, midseason, red variety. Ripens evenly; free from cracks and ridges. Canning sort. 63 days. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.10; lb. $3.25.

Livingston's Paragon. *Introduced by us in* 1870. The first perfectly smooth, deep red Tomato offered by us. A heavy yielder, ripening medium early. The fruits are of large size. Flesh is solid, of superior quality and bright rich red. 65 days. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.15; lb. $3.50.

Bonny Best. Good red for greenhouses. Is of medium size, bright scarlet, always smooth, and of uniform size and shape. A splendid sort to follow Earliana in the open field. 57 days. Pkt. 5c; ¼oz. 15 cts.; ½oz. 25c; oz. 40c; ¼lb. $1.15; lb. $3.50.

JOHN BAER. Extra-early red. Fruits are large, nearly round, smooth and of good quality. Quite productive. 60 days. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.15; lb. $3.50.

BURBANK. Very early red. Similar to Earliana in size and shape but smoother. Quite productive. 55 days. Pkt. 5 cts.; ¼oz. 20 cts.; ½oz. 30 cts.; oz. 50 cts.; ¼lb. $1.50; lb. $4.50.

Break-O-Day. **New Wilt-resistant Variety.** The new Pritchard hybrid developed from Marglobe and Marvana, having their disease resistant qualities. Resembles Marglobe in shape and size, but not so productive. Has vines of open habit like Marvana. Matures early, being next to Earliana in this respect. Fruits are solid, meaty and have a beautiful scarlet color. Will become quite popular with home-gardeners. 58 days. Pkt. 5 cts.; ¼oz. 20 cts.; ½oz. 30 cts.; oz. 50 cts.; ¼lb. $1.50; lb. $4.50.

New Break-O-Day Tomato

Try Break-O-Day This Season

Livingston's Red Tomatoes—Continued

Marglobe Tomato

Wilt and Nailhead Rust-Resistant

Livingston's Ideal

Introduced by us in 1930

May properly be termed "A Red Globe." Has strong, healthy plants that show no signs of blight. Globe shaped fruits of medium size; bright scarlet; firm flesh. About same season as Bonny Best. Fruit clusters are set closely on stalk, making increased yield under glass. 63 days. Pkt. 5 cts.; ¼oz. 20 cts.; ½oz. 30 cts.; oz. 50 cts.; ¼lb. $1.50; lb. $4.50.

Chalk's Early Jewel. Of large size, a few days later than Bonny Best. Flesh thick, bright scarlet, solid, excellent flavor, ripens evenly. One of the largest cropping varieties. 63 days. Pkt. 5c; ¼oz. 15c; ½oz. 25c; oz. 40c; ¼lb. $1.15; lb. $3.50.

Marglobe

WILT AND NAILHEAD RUST-RESISTANT

Has made a wonderful record in sections where above diseases prevail. Produced by crossing Livingston's Globe with other varieties and after several years' selection was offered in 1926. Vigorous grower in both greenhouse and field; bright red, quite early, large size, almost round and very productive. We grow the seed we offer from select planting stock supplied by originator. Large quantities are supplied to Tomato-growing sections. Main crop variety. 60 days. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 45 cts.; ¼lb. $1.35; lb. $4.

HANSING'S IMPROVED WILT-RESISTANT MARVEL. An early bright red of medium size and good quality. Similar to Bonny Best in shape but slightly more flat. Fruits are produced in clusters about 6 inches apart on vigorous growing vine. Originated with Mr. Hansing, a prominent Indiana gardener. 60 days. Pkt. 5 cts.; ¼oz. 20 cts.; ½oz. 30 cts.; oz. 50 cts.; ¼lb. $1.60; lb. $5.

Livingston's Ohio Red. *Introduced by us in 1929.* Entirely new elongated type with but little indentation at the stem end, frequently having a slight point at blossom end. Good average size, brilliant red color. Has practical value as a salad variety. Second-early. 65 days. Pkt. 5 cts.; ¼oz. 20 cts.; ½oz. 30 cts.; oz. 50 cts.; ¼lb. $1.50.

Earliana. The plants are compact in growth, with short, close-jointed branches, setting fruits very early. With our strain of Earliana the fruits are bright red, of uniform medium size, fleshy, solid and smooth. 55 days. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.15; lb. $3.50.

Livingston's Coreless. *Introduced by us in 1908.* In shape it is almost round, being of about the same diameter each way. The depression at the stem end has been almost eliminated. Immensely productive. A good slicing variety, the seed-cells being surrounded by bright red, heavy, meaty and delicious flesh. Late variety. 78 days. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 45 cts.; ¼lb. $1.25; lb. $3.75.

Redhead. A second-early, meaty, deep red variety of good size and shape. Smooth, productive, uniform and nearly free from cracks. Popular in the West. 62 days. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.15; lb. $3.50.

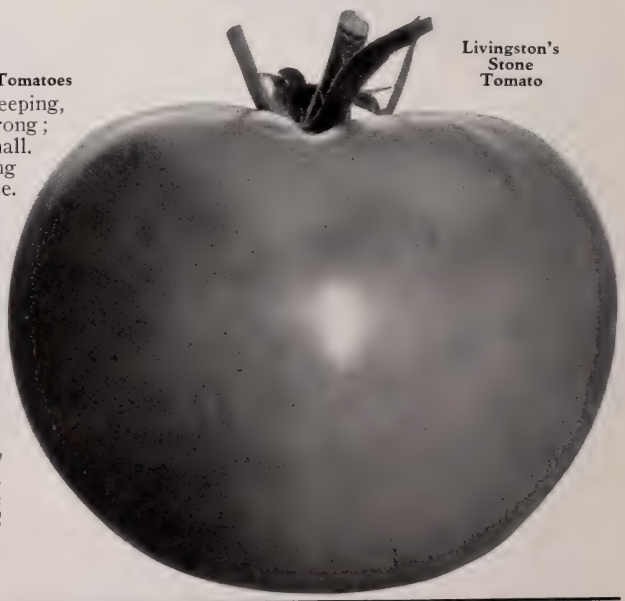
Livingston's Stone

Introduced by us in 1889—Greatest of All Canning Tomatoes

A large, bright scarlet, heavy yielding, good keeping, main crop variety. Skin perfectly smooth and strong; flesh solid and fine flavored; seed cells few and small. Recognized as "the Canner" of all Tomatoes; strong enough to stand shipping and also fine for table use. For 44 years we have taken much pride in maintaining its high quality. Order direct from us for the original. Illustrated in color on back cover. 76 days. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.15; lb. $3.50.

Norton. A Wilt-resistant Stone. Similar in growth, color, and season to Stone. Valuable for the South, or where the wilt is prevalent. 76 days. Pkt. 5cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.15; lb. $3.50.

Livingston's Dwarf Stone. *Introduced by us in 1902.* Fruits are nearly as large as Stone but plants are more dwarf, permitting close planting (1½ to 2 ft. apart), but still producing an abundant crop. 65 days. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 45 cts.; ¼lb. $1.35; lb. $4.



Livingston's Stone Tomato

Livingston's Pink Tomatoes

Livingston's Globe Tomato

Introduced by us in 1905

THE GREATEST SHIPPING TOMATO KNOWN

We feel quite safe in saying that no Tomato ever introduced has been so valuable to the southern growers and shippers as Livingston's Globe. Literally trainloads are shipped out of Southern States each season.

As a greenhouse sort, it is not excelled by any other pink variety and it is one of the best for the home-garden. It comes into bearing early and keeps on bearing almost until frost. Fruits are large and smooth with firm flesh that ripens evenly; color, a fine glossy rose, tinged with purple. Quality good, being mild, pleasant and of delicious flavor. Almost blight-proof. Main crop variety. 65 days. **Genuine Livingston-grown seed.** Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 45 cts.; ¼lb. $1.35; lb. $4.

Marvelous. **(Marhio). A New Pink Marglobe.** If you like a pink skinned tomato but have experienced trouble growing it because of wilt, try this new wilt-resistant variety. Fruits are large, glossy rose in color, surprisingly free from cracks and of best quality. A vigorous grower and heavy cropper. Illustrated on page 10. 62 days. Pkt. 10 cts.; ¼oz. 20 cts.; ½oz. 35 cts.; oz. 55 cts.; ¼lb. $1.70; lb. $5.50.

Livingston's Rosy Morn. Introduced by us in 1923. A bright rosy pink variety. Smooth, solid fruits; ripen evenly; surprisingly free from cracks about the stem; mild and delicious flavor. Vigorous grower; heavy yielder. 69 days. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 45 cts.; ¼lb. $1.25; lb. $3.75.

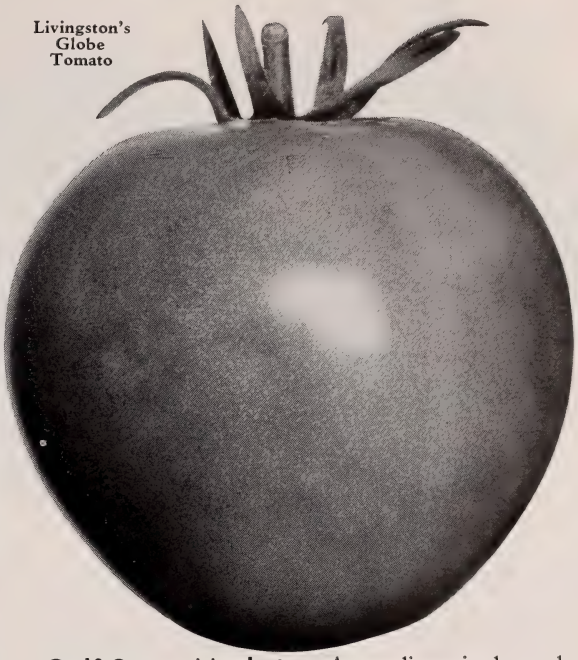
LIVINGSTON'S MAGNUS. *Introduced by us in* 1900. Unsurpassed in quality and in the production of fine, large purple-skinned fruits. The form is quite deep through from stem to blossom-end. Heavy cropper. Has broad-potato-leaf foliage which prevents sunburn. For staking up in the open field, it is a fine sort. Second early variety. 62 days. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.15; lb. $3.50.

LIVINGSTON'S ACME. *Introduced by us in* 1875. The first perfectly smooth, medium-sized purple or pink Tomato introduced. It is a uniform, early, prolific sort, free from cracks. Quality fine. 62 days. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.10; lb. $3.25.

Livingston's Beauty Tomato

Heavy Yielding Variety

Livingston's Globe Tomato



Gulf State Market. A medium-sized, early, purple sort, recently introduced. Ripens the same time as Livingston's Globe, but averages smaller. It is globe-shaped and quite popular in southern sections. 65 days. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.15; lb. $3.50.

June Pink. **A Pink Earliana.** Ripens as early as Earliana. A prolific bearer, clusters of six to eight large fruits being borne close to the main stem, a large percentage of the fruit being produced very early. The fruit is of medium size, uniform, smooth and attractively shaped. 55 days. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 45 cts.; ¼lb. $1.35; lb. $4.

Cooper's Special. Globe-shaped sort of the same color as Livingston's Globe but smaller. Vines are short and fruits set in clusters of 4 to 5. Florida growers term it a self-topper. Second-early, 63 days. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 45 cts.; ¼lb. $1.35; lb. $4.

Early Detroit. A very productive, early pink sort, of uniform size. Fruit large and smooth, globe-shaped and of excellent quality. Vines vigorous and productive. 71 days. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.15; lb. $3.50.

Livingston's Improved Dwarf Champion. Medium-sized fruit produced in clusters of three to five. Beautiful glossy purple, firm, solid. Main crop variety. 63 days. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 45 cts.; ¼lb. $1.35; lb. $4.

Livingston's Beauty

Introduced by us in 1886

Although introduced so many years ago, this is still one of the popular purple-colored Tomatoes. The plants make a strong growth, are hardy and bear profusely. The large, smooth, rather flattened, firm fruits are produced in clusters of four to six, and retain their size until late in the season. Main crop variety. 70 days. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.15; lb. $3.50.

Livingston's Big Tomatoes

Ponderosa Tomato

Ponderosa

The pink fruits ripen quite early, are very solid, almost seedless, of good subacid flavor, and of immense size, frequently weighing more than two pounds. It is now producing a much smoother fruit than when first introduced. Splendid slicer. Bears well until very late. Main-crop variety. 84 days. Pkt. 5 cts.; ¼oz. 20 cts.; ½oz. 35 cts.; oz. 55 cts.; ¼lb. $1.70; lb. $5.50.

Livingston's Buckeye State

Introduced by us in 1893

Its extra large fruits are borne in clusters of three to six, and have a smooth skin of purple color. The fruit is very meaty, solid, and the flesh is of most desirable quality. We have been successful in eliminating the roughness so common to large-fruited sorts. Late variety. 80 days. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 45 cts.; ¼lb. $1.35; lb. $4.

Crimson Cushion (Beefsteak or Red Ponderosa). An extremely large, bright red variety that ripens evenly and is of good quality. A good companion to the Colossal. Main crop variety. 84 days. Pkt. 5 cts.; ¼oz. 20 cts.; ½oz. 35 cts.; oz. 55 cts.; ¼lb. $1.70.

Colossal. A strain of Ponderosa that exceeds it in average size and smoothness. A slice of this enormous-fruited sort looks like a piece of beefsteak. The fruit has purple or pink skin and many are quite smooth. Main crop variety. 84 days. Pkt. 5c; ¼oz. 20c; ½oz. 35c; oz. 55c; ¼lb. $1.80.

Livingston's Giant Oxheart, See page 74.

Livingston's Yellow Tomatoes

Livingston's Golden Queen

Introduced by us in 1882

Of superior flavor, solid, always smooth, large, ripens early. Rich golden yellow skin with a tinge of pink on the blossom side. Fine for slicing. 78 days. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 45 cts.; ¼lb. $1.35.

Golden Ponderosa

Golden Ponderosa equals Ponderosa in size, shape, and quality, but it is a golden yellow in color. In other words it is, as the name indicates, a yellow-fleshed Ponderosa. 82 days. Pkt. 5 cts.; ¼oz. 20 cts.; ½oz. 35 cts.; oz. 55 cts.

Livingston's Gold Ball

Introduced by us in 1892

Beautiful canary-yellow fruits about 1½ inches in diameter, borne in clusters. Flesh thick and of fine quality. Fine for preserves. 65 days. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.; oz. 45 cts.; ¼lb. $1.35.

Gold Ball — Yellow Pear — Yellow Plum

Small Tomatoes

Excellent for Preserves, Pickles, and Pies

	Pkt.
Red Currant. Smallest of all sorts	$0.05
Red Cherry	.05
Yellow Cherry	.05
Red Pear	.05
Yellow Pear	.05
Yellow Plum	.05
Mixed Small Sorts	.05
Any above: ¼oz	.15

Odd Tomatoes

YELLOW PEACH. Resembles peaches closely in size, shape, and general appearance. Color light yellow. Pkt. 5 cts.; ¼oz. 15 cts.; ½oz. 25 cts.

GOLDEN HUSK or WINTER CHERRY. Unequaled for making preserves and pies. Has a golden color, strawberry flavor, very productive. Fruit is size of large cherries. Pkt. 5c; ¼oz. 20c; ½oz. 35c.

Livingston's Yellow Oxheart, see page 74.

John R. Jones, Hartford County, Connecticut, writes: *"I was pleased to see the picture of Mr. Alexander Livingston in your catalog. I got some of his Tomato seed in 1870, the Paragon Tomato and I purchased seed from him a good many years after and all good seed."*

Mrs. Dillon Hand, Shreve, Ohio, writes: *"The Tomatoes I raised last year from your seed were wonderful. One woman said my patch looked like the pictures in a seed annual."*

Opal Marquardt, Union County, Iowa, writes: *"Will send larger order later. You are pre-eminent in Tomatoes and have found germination high in your other seeds."*

Mrs. Roddie, Cumberland County, Pennsylvania, writes: *"I grew the nearest perfect, if not perfect tomatoes from your seed last season that I have ever grown."*

Rüben Turnips for Two Purpose Crops *Nabos*

Culture.—Turnips serve the double purpose of summer greens and useful roots. Early varieties should be planted as soon as the ground is dry in spring. Sowings of these and other later ones can be made as late as August. Early sowing should be in rows 12 to 15 inches apart, covering seed ½ inch and thinning to 4 to 6 inches apart in the row. Cultivate often and thoroughly. Late sowing can be broadcast rather than sown in rows.

One ounce of seed will sow 100 feet of drill;
One to two pounds will plant an acre

Extra-Early Purple-Top Milan. Roots are flat and an attractive purple-red on the upper portion. Tops small and upright and are therefore well adapted for forcing. The Milans are the very best for extra early, and their quality is fine. Very smooth and almost transparent skin. 47 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 30 cts.; lb. $1.00.

EXTRA-EARLY WHITE MILAN. Same as Purple-Top Milan except in color. 47 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 30 cts.; lb. $1.00.

Purple-Top Strap-Leaf. Comes next to Purple-Top Globe in popularity. An early variety, very extensively used for the table. Leaves are few and upright in growth. Roots flat, of medium size, purple or dark red above ground, white below; flesh white, fine-grained, and tender. 56 days. Pkt. 5c; oz. 10c; ¼lb. 20c; lb. 65c; 5 lbs. $3.

Japanese Shogoin Turnip. It is the best combination variety for both bulbous roots and Tops for "greens" we have yet seen. The roots are white, semi-globe shaped, very sweet and mild. The tops or leaves are large, thick, juicy and stand erect. This variety is louse resistant and thrives even in the hottest dry weather. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 70 cts.

GOLDEN BALL or Orange Jelly. Rapid grower; globe-shaped; bright yellow. Best yellow sort for table use. 60 days. Pkt. 5c; oz. 10c; ¼lb. 25c; lb. 75c.

EARLY SNOWBALL. Medium-sized round Turnip; pure white; very fine flavor; flesh is fine-grained. One of the best. 54 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 65 cts.

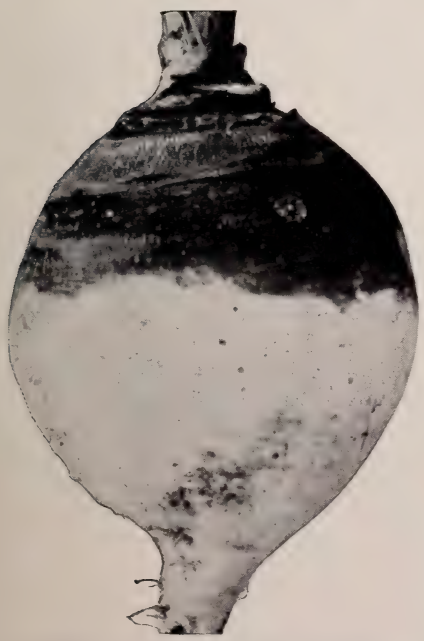
YELLOW OR AMBER GLOBE. Sweet; large; fine for table or stock. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.

Purple Top White Globe Turnip

Purple-Top White Globe. Most popular of all Turnips for main crop. The roots are large, purple or dark red above ground, white below and when in best condition for the table, are about 3 inches in diameter, but can be grown much larger. Flesh white, fine-grained, and tender. Keeps well, is one of the best for market, and a popular home-garden sort. 56 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.; 5 lbs. $3.50.

LARGE WHITE GLOBE. Similar to above except in color. 68 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.

EARLY WHITE FLAT DUTCH. 47 days. Pkt. 5c; oz. 10c; ¼lb. 20c; lb. 60c.



Improved American Purple Top Rutabaga

Seven Top. Cultivated extensively for the tops, which are used as greens. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 15 cts.; lb. 50 cts.

Long White or COW-HORN. Long; grows partly above ground; slightly crooked; white, fine grained, very sweet. Sometimes used for plowing under to improve the soil. 70 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 15 cts.; lb. 50 cts.

Early White Egg. A variety with white flesh, firm, fine-grained, mild and sweet. 49 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 65 cts.

Rutabaga

(Swedish or Russian Turnip)

Rutabagas are more especially adapted to northern sections. They require a longer season for maturing, hence should be sown earlier than turnips, or about June 15. Make rows 18 inches apart, cover seed 1 inch and thin to 6 inches in the row. Maturity 90 days.

Improved American Purple-Top. One of the best and heaviest cropping sorts. It is of globe shape with a rich purple top and light yellow below the ground. The quality is fine; very tender, and not stringy. Valuable table variety. Pkt. 5c; oz. 10c; ¼lb. 25c; lb. 75c.

LARGE WHITE RUSSIAN. An excellent keeper and very desirable either for the table or for stock; roots very large, somewhat top-shaped; color white with a shade of green at the top. Flesh white. Pkt. 5c; oz. 10c; ¼lb. 25c; lb. 75c.

MAKE THE MOST OUT OF YOUR GARDEN
Follow first early crops with later ones.
Turnips are fine as late crop.

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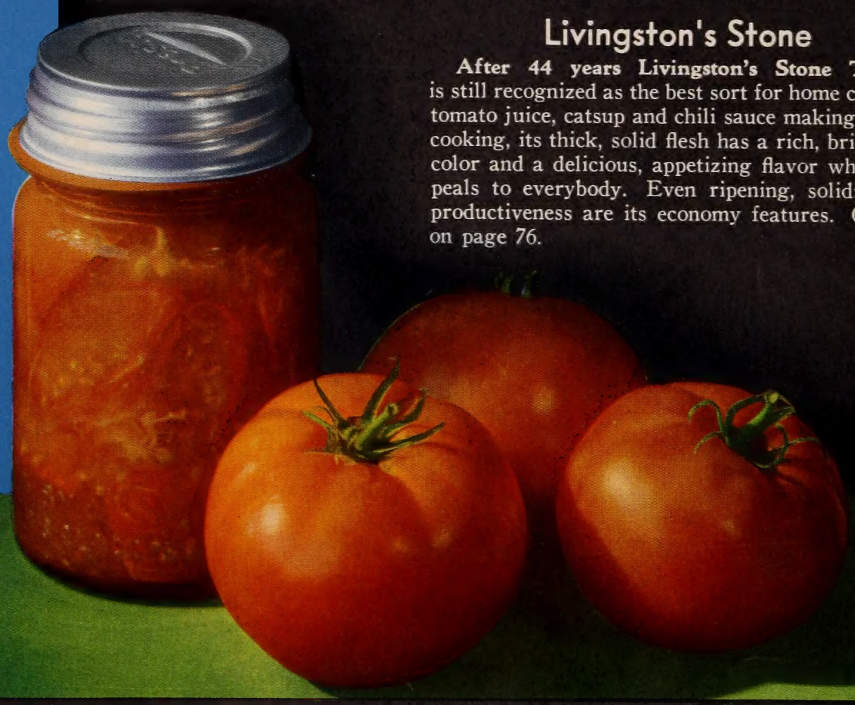

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